98US-0102686P. 98US-0112129P.

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disorders related to the secreted proteins. The proteins, and polynucleotide sequences may be useful for treating disorders of the immune system, hyperproliferative disorders, infectious disease, regeneration of Lissues, for chemotaxis and for screening molecules that regeneration of Lissues, for chemotaxis and for screening molecules that used as food additives or preservatives, to increase or decrease storage used as food additives or preservatives, to increase or decrease storage aniarrals, or-factors or other nutritional components. Agonists or antagonists of the proteins may be used to prevent scar tissue growth during wound healing, and hyper-vascular diseases. AAA39043 to AAA39051 and AAB08890 are sequences used in the exemplification of the present
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Sequence 327 AA;

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                                                                                                                                                    61 FVQPGKPISESHPILYFYNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYL 120
                                                                                                                                                                                    COVNNPPDEYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSSEGAPKPVYNWY 180
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                                                                                                                                                                                                                                                 RLGTFPTPSPGSWYQDEVSGQLILTMLSLTSSGTYRCVATNQMGSASCELTLSVTEPPQG
                                                                                                                                                                                                                                                                   61 FVQPGKPISBSHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYL
                                                           1 MABLIPGPFICGALIGFICLSGIAVEVKVPTEPLSTPIGKTABLITCTYSTSVGDSFALEWS
                                 Gaps
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Query Match

99.6%; Score 1692; DB 3; Length 327;
Best Local Similarity 99.7%; Pred. No. 7.4e-114;
Matches 326; Conservative 0; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                DSSKGFLERPSSASTVTTTKSKLPMVV 327
                                                                                                                                                                                                                                                                                                                                                                                                  301 DSSKGFLERPSSASTVITIKSKLPWVV 327
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AAY87251 standard; protein; 327 AA. RESULT 2 **AAY87251**

AAY87251;

(first entry) 11-MAY-2000

Human signal peptide containing protein HSPP-28 SEQ ID NO:28.

Human; signal peptide-containing protein; HSPP; diagnosis; cancer; inflammation; cardiovascular disease; anticancer; anti-inflammatory; antimicrobial; nootropic; neuroprotective; cardiovascular; hepatotropic; antiasthmatic; gene therapy; cell proliferation; neurological disorder; esproductive disorder; developmental disorder; arteriosclerosis; cirrhosis; psoriasis; acquired immune deficiency syndrome; anaemia; asthma; Crohn's disease; infection; Alzheimer's disease; schizophrenia; Parkinson's disease; Huntington's diseases; ovulatory defect;

06-JAN-2000

25-JUN-1999;

98US-0090762P. muscular dystrophy WO20000610-A2 26-JUN-1998; Номо варіепв

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AAZ98109 to AAZ98242 encode AAY87224 to AAY87357 which represent the comman signal peptide-containing proteins HSPP-1 to HSPP-134. HSPPs have muticancer, anti-inflammatory, antimicrobial, nootropic, hepatotropic, anticancer, anti-inflammatory, antimicrobial, nootropic, hepatotropic, anticancer, anti-inflammatory, antimicrobial, nootropic, hepatotropic, anticancer, anti-inflammatory, antimicrobial, nootropic, hepatotropic, consecrated with decreased activity or function of HSPP. Antagonists of associated with decreased activity or function of HSPP. Such diseases include cell proliferation crativity or function of HSPP. Such diseases include cell proliferation crativity or function of HSPP. Such diseases include cell proliferation crativity or developmental disorders, (e.g. arterioscierosis, cartivostasis, psoriasis, acquired immune deficiency syndrome, anaemia, cartivostasis, psoriasis, acquired immune deficiency syndrome, anaemia, cathuma, Crohn's disease, microbial or other infections, congestive or section, diseases, Alzheimer's, parkinson's or Huntington's cathease, schizobrania, ovulatory defects, muscular dystrophy). HSPP concepts and monitoring, in gene therapy, as antisense, triplex-forming cromanism and for chromosomal mapping HSPP are also used to raise corrigions, and for chromosomal mapping HSPP are also used to raise correction and and and antiscinal therapeutic agents). As therapeutic antagonists, in competitive drug screens, and for purification of HSPP from natural
                                                                                                                                                                                                                                                   New human signal peptide-containing proteins useful in treatment, \bar{p}_{r}evention and diagnosis of e.g. cancer, inflammation and cardiovascular
                                                                                                       GA, Corley NC, Guegler KJ, Baughn MR;
Yue H, Patterson C, Reddy R, Hillman JL;
                                                                                                                                                                                                                                                                                                                                                Claim 1; Page 177-178; 327pp; English.
                                                                                                                           Gorgone
                                                                                                                                          Au-Young J,
                                                                               (INCY-) INCYTE PHARM INC
                                                                                                                                                                                                       WPI; 2000-160673/14.
N-PSDB; AAZ98136.
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31-JUL-1998;
01-OCT-1998;
11-DEC-1998;
                                                                                                                             Tang
                                                                                                                                                Akerblom IE,
                                                                                                                                                                      Bandman 0;
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ö 1 MAELPGPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWS Gaps ö Length 327; 1; Indels Score 1691; DB 3; Pred. No. 8.8e-114; 0; Mismatches 1; 99.5%; Best Local Similarity 99.7 Matches 326, Conservative Query Match

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240 RVAGALIGVLIGVLILSVAAFCLVRFQKERGKKPKETYGGSPLREDALAPGISEHTCMRA 300 180 9 RIGIPPTESPGSMVQDBVSGQLILTNILSLTSSGTYRCVATNOMGSASCELTLSVTEPPQG CQVRNPPDFYTNGLGLINLTVLVPENPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWV 181 RLGTFPTPSPGSMVQDEVSGQLLLTNLSLTSSGTYRCVATNQMGSASCELTLSVTBPSQG FVQPGKPISESHPILIYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYL 1 MAELPGPFLCGALLGFLCLSGLAVEVKVPTBPLSTPLGKTABLTCTYSTSVGDSFALEWS 181 121 61 61 121 8 셤 g ઠ 셤 셤 8

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121 PPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWVRLGTFPTPSPGSMVQDEVSGQLI
                                                                                                                                                                                                                                                                                    PRT;
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                                                                                                                                                                                                                                                                                       PRELIMINARY;
                                                                                                                                                                                                                                                                                                                                                                                                                                       Homo sapiens (Human)
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01-MAY-1999
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Q9CVA4
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Strausberg R.L., Feingold E.A., Grouse L.H., Derge J.G.,
Klausner R.D., Collins F.S., Wagner L., Shaefer C.F., Bhat N.K.,
Altschul S.F., Zeeberg B., Buetow K.H., Schaefer C.F., Bhat N.K.,
Altschul S.F., Zeeberg B., Buetow K.H., Schaefer C.F., Bhat N.K.,
Altschul S.F., Zeeberg B., Buetow K.H., Schaefer C.F., Bhat N.K.,
Antechenko L., Marusina K., Farmer A.A., Rubin G.M., Hong L.,
Stapleton M., Soares M.B., Bonaldo M.F., Casavant T.L., Scheetz T.E.,
Antechenko L., Marusina K., Peters G.J., Abrameon R.D., Mullahy S.J.,
Raha S.S., Loquellano N.A., Peters G.J., Abrameon R.D., Mullahy S.J.,
And S.S., McKwan P.J., McKernan K.J., Malek J.A., Gunaratne P.H.,
And S. M., McKernan K.J., Malek J.A., Gunaratne P.H.,
Allalon D.K., Muzny D.M., Sodergren B.J., Lu X., Glibs R.A.,
Allakesley R.W., Touchman J.W., Green B.D., Dickson M.C.,
Blakesley R.W., Touchman J.W., Green B.D., Dickson M.C.,
Anting M., Madan A., Young A.C., Shevchenko Y., Bouffard G.G.,
Anting M. Narra M.A., Schalts D.E., Schnerch A., Schein J.E.,
Annes S.J., Marra M.A.,
T. "Generation and initial analysis of more than 15,000 full-length human
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     61 PIGSKSKRVSLLONPPTVGVATLKLTDVHPSDTGTYLCQVNNPPDFYTNGLGLINLTVLV
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            NEDLINE-22887296; PubMed=12975309; DOI=10.1101/gr.1293003; MEDLINE-22887296; PubMed=12975309; DOI=10.1101/gr.1293003; Clark H.F., Gurney A.L., Abaya B., Baker K., Baldwin D., Brush J., Chow B., Chui C., Crowley C., Currell B., Dowd P. Baton D., Foster J., Grimaldi C., Gu Q., Hass P.E., Heldens S., Lee J., Lang A., Kim H.S., Klimowski L., Jin Y., Johnson S., Lee J., Lewis L., Liao D., Mark M., Robbie B., Sanchez C., Schoenfeld J., Seshagiri S., Simmons L., Singh J., Smith V., Stinson J., Vagts A., Vandlen R., Watanabe C., Wieand D., Woods K., Xie M.H., Yansura D., Yi S., Yu G., Yuan J., Zhang M., Zhang Z., Goddard A., Wood W.I., Godowski P.;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   "The secreted protein discovery initiative (SPDI), a large-scale effort to identify novel human secreted and transmembrane proteins: bioinformatics assessment."; Genome Res. 13:2265-2270(2003).
                                                                                                  Bukaryota, Metazoa; Chordata; Craniata; Vertebrata; Buteleostomi;
Mammalia; Butheria; Primates; Catarrhini; Hominidae; Homo.
NCBI_TaxID=9606;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           99.2%; Score 1155; DB 2; Length 327; 100.0%; Pred. No. 2.1e-83; ive 0; Mismatches 0; Indels (
                  25-OCT-2004 (TrEMBLrel. 28, Last annotation update)
V-set and immunoglobulin domain containing 2 (CTH Variant).
Name=VSIG2; ORFNames=UNQ2770;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TISSUE=Colon;
Director MGC Project;
Submitted (MAY-2001) to the EWBL/GenBank/DDBJ databases.
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A; 34348 MW; CF395AC7EF951AC1 CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      and mouse cDNA sequences.";
Proc. Natl. Acad. Sci. U.S.A. 99:16899-16903(2002).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   HSSP, 088792; 1F97.
GO; GO:0004872; F:receptor activity; IEA.
InterPro; IPR007110; Ig-like.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                EMBL; BC007313; AAH07313.1; -. EMBL; AY358897; AAQ89256.1; -.
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                                                                                             Homo sapiens (Human)
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144 PPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWYRLGTFPTPSPGSWYQDEVSGQLI 203
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           SEQUENCE FROM N.A.
MEDLINE=99077161; PubMed=9862345;
DOI=10.1002/(SICI)1521-4141(199812)28:12<4094::AID-IMMU4094>3.3.CO;2-U;
DOI=10.1002/(SICI)1521-4141(199812)28:12<4094::AID-IMMU4094>3.3.CO;2-U;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Chretien I., Marcuz A., Courtet M., Katevuo K., Vainio O., Heath J.K., White S.J., Du Pasquier L.;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              61 PTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYLCQVNNPPDFYTNGLGLINLTVLV
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               23 VEVKVPTEPLSTPLGKTAELTCTYSTSVGDTFALEWSFVQPGKPISESHPILYFTNGHLY
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Mammalia, Butheria, Primates, Catarrhini, Hominidae, Homo.
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O1-JUN-2001 (TEXMELRE1. 17, Created)
O1-JUN-2001 (TEXMELRE1. 17, Last sequence update)
O1-MAR-2004 (TEXMELRE1. 26, Last annotation update)
Mus musculus adult male stomach cDNA, RIKEN full-length enriched
library. clone:2210413P10 product:CTM homolog (Fragment).
Name=2210413P10Rik;
Mus musculus (Mouse).
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Bur. J. Immunol. 28:4094-4104(1998).

EMBL, AF061022; AAD17522.1; -.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             98.4%; Score 1145; DB 2; Length 325; 99.1%; Pred. No. 1.3e-82;
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SEQUENCE 325 AA; 34239 MW; B7B5B664CBCFF4BB CRC64;
                                                                          181 LINLSLISSGIYRCVATNQMGSASCELTLSVTBPSQGRV 219
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           203 LTNLSLTSSGTYRCVATNQLGSASCELTLSVTEPSQGRV 241
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   GO; GO:0005887; C:integral to plasma membrane; TAS. GO:0005624; C:membrane fraction; TAS. Interpro; IPR007110; Ig-like. Interpro; IPR003598; Ig_C2.
                                                                                                                                                                                                                                                                                                                    01-MAY-1999 (TrEMBLrel. 10, Created)
01-MAY-1999 (TrEMBLrel. 10, Last sequence update)
01-OCT-2003 (TrEMBLrel. 25, Last annotation update)
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FILING DATE: 1998-06-17
APPLICATION NUMBER: 60/089905
FILING DATE: 1998-06-18
APPLICATION NUMBER: 60/090472
FILING DATE: 1998-06-24
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FILING DATE: 1998-06-24
APPLICATION NUMBER: 60/090691
                                                                                                                                                                                                                                                                                                                                                                                             APPLICATION NUMBER: 60/095302
FILING DATE: 1998-08-04
APPLICATION NUMBER: 60/095318
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APPLICATION NUMBER: 60/095916
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APPLICATION NUMBER: 60/096146
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FILING DATE: 1998-09-11
APPLICATION NUMBER: 60/100385
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APPLICATION NUMBER: 60/091982
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APPLICATION NUMBER: 60/099812
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APPLICATION NUMBER: 60/099816
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APPLICATION NUMBER: 60/099803
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APPLICATION NUMBER: 60/09811
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FILING DATE: 1998-09-23
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APPLICANT: Goddard, Audrey
APPLICANT: Goddard, Paul J.
APPLICANT: Grimaldi, J. Christopher
APPLICANT: Grimaldi, J. Christopher
APPLICANT: Smith, Victoria
APPLICANT: Stephan, Jean-Philippe P.
APPLICANT: Stephan, Jean-Philippe P.
APPLICANT: Wechanbe, Colin L.
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
TITLE OF INVENTION: ACIDS ENCODING THE SAME
FILE REFERENCE: P3530P1C79
CURRENT APPLICATION NUMBER: US/10/227,884
CURRENT PILING DATE: 2002-08-26
PRIOR FILING DATE: 2002-04-09
PRIOR FILING DATE: 2002-04-09
                                                                                                   FVQPGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYL 120
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PRIOR PELLING DATE: 1997-10-28
PRIOR APPLICATION NUMBER: 60/064103
PRIOR PELLING DATE: 1997-10-31
PRIOR APPLICATION NUMBER: 60/069873
PRIOR PELLING DATE: 1997-12-17
PRIOR PELLING DATE: 1997-10-31
PRIOR PELLING DATE: 1998-03-20
PRIOR PELLING DATE: 1998-03-25
PRIOR APPLICATION NUMBER: 60/079294
PRIOR PELLING DATE: 1998-03-25
PRIOR PELLING DATE: 1998-03-25
PRIOR PELLING DATE: 1998-03-25
PRIOR PELLING DATE: 1998-03-27
PRIOR PELLING DATE: 1998-04-15
PRIOR APPLICATION NUMBER: 60/081804
PRIOR PELLING DATE: 1998-04-15
PRIOR APPLICATION NUMBER: 60/08184
PRIOR APPLICATION NUMBER: 60/081804
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Publication No. US20030027988A1
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PRIOR APPLICATION NUMBER: 60/059113
PRIOR FILING DATE: 1997-09-17
PRIOR FILING DATE: 1997-10-17
PRIOR APPLICATION NUMBER: 60/063549
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APPLICATION NUMBER: 60/085579
FILING DATE: 1998-05-15
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PRIOR APPLICATION NUMBER: 60/10605
PRIOR APPLICATION NUMBER: 60/10801
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PRIOR APPLICATION NUMBER: 60/10801
PRIOR PILING DATE: 1939-11-17
PRIOR PILING DATE: 1939-11-18
PRIOR PILING DATE: 1939-11-23
PRIOR PELICATION NUMBER: 60/11555
PRIOR PELING DATE: 1939-11-23
PRIOR PELICATION NUMBER: 60/11555
PRIOR PELING DATE: 1939-11-23
PRIOR PILING DATE: 1939-11-23
PRIOR PELING DATE: 1939-10-12
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APPLICANT: GIRNEY, AUSTIN GIRNEY, AUSTING GIRNEY, GIRNEY, AUSTING GIRNEY, GIRNEY
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Publication No. US20030036635A1
GENERAL INFORMATION:
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Godowski, Paul J.
Grimaldi, J. Christopher
PRIOR APPLICATION NUMBER: 60/169495
PRIOR FILING DATE: 1999-12-07
PRIOR APPLICATION NUMBER: 60/169835
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US-10-227-883-236
US-10-220-434-236
US-10-219-003-236
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US-10-219-464-236
US-10-219-466-236
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US-10-219-524-236
US-10-227-881-236
US-10-227-823-236
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Sequence 98, Application US/09820893

Patent No. US20020076705A1

GENERAL INFORMATION:

TITLE OF INVENTION: 31 Human Secreted Proteins

FILE REFRENCE: PS033P1

CURRENT APPLICATION WUMBER: US/09/820,893

CURRENT PILING DATE: 2001-03-30

PRIOR APPLICATION WUMBER: 69/531,119

PRIOR FILING DATE: 1998-10-02

PRIOR FILING DATE: 1998-10-02

PRIOR FILING DATE: 1998-10-02

NUMBER OF SEQ ID NOS: 140

SOFTWARE: PatentIn Ver. 2.0

SEQ ID NO 98
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US-09-820-893-98
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Sequence 256, App
Sequence 236, App
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1 MAELPGPFLCGALLGFLCLS......ASCELTLSVTEPSQGRVAEL
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| cgn2_6/ptodata/1/pubpaa/USO7_PUBCOMB.pep:*
2: /cgn2_6/ptodata/1/pubpaa/USO7_PUBCOMB.pep:*
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TITLE OF INVENTION: 31 Human Secreted Proteins
FILE REFERENCE: PZ033P1
CURRENT APPLICATION NUMBER: US/10/607,565
CURRENT FILING DATE: 2003-06-27
PRIOR APPLICATION NUMBER: US/09/531,119
PRIOR PILING DATE: 2000-03-20
PRIOR APPLICATION NUMBER: BARLIER APPLICATION NUMBER: 60/101,546
PRIOR PILING DATE: EARLIER FILING DATE: 1998-09-23
PRIOR FILING DATE: EARLIER FILING DATE: 1998-10-02
NUMBER OF SEQ ID NOS: 140
SOFTWARE: PatentIn Ver. 2.0
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100.0%; Score 1286; DB 15;
Best Local Similarity 100.0%; Pred. No. 1.1e-96;
Matches 245; Conservative 0; Mismatches 0; 1
                                                                                                                                                                                                                                                                                                                                 Query Match 100.0%; Score 1286; DB 9; Best Local Similarity 100.0%; Pred. No. 1.1e-96; Matches 245; Conservative 0; Mismatches 0;
                                                                                                                                                                                                                   NAME/KEY: SITE
DCATION: (246)
OTHER INFORMATION: Xaa equals stop translation
US-09-893-83
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ; LOCATION: (246)
P. OTHER INFORMATION: Xaa equals stop translation
US-10-607-565-83
PRIOR FILING DATE: 2000-03-20
PRIOR APPLICATION WUMBER: 60/102,895
PRIOR FILING DATE: 1998-10-02
NUMBER OF SEQ ID NOS: 140
SOFTWARE: Patentin Ver. 2.0
SEQ ID NO 83
LENGTH: 246
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ; Sequence 83, Application US/10607565; Publication No. US20040048294A1; GENERAL INFORMATION:
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ORGANISM: Homo sapiens
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LENGTH: 246
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                                                                                                                                                          TYPE: PRT
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    COVINPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWV
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TITLE OF INVENTION: 31 Human Secreted Proteins
FILE REFRENCE: P2033P1
CURRENT APPLICATION NUMBER: US/10/607,565
CURRENT FILING DATE: 2003-06-27
PRIOR APPLICATION NUMBER: US/09/531,119
PRIOR PILING DATE: 2000-3-20
PRIOR FILING DATE: EARLIER PILING DATE: 1998-09-23
PRIOR FILING DATE: EARLIER FILING DATE: 1998-09-23
PRIOR FILING DATE: EARLIER FILING DATE: 1998-10-02
NUMBER OF SEQ ID NOS: 140
SOFTWARE: Patentin Ver. 2.0
SEQ ID NO 98
LENGTH: 245
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1.1e-96;
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Patent No. US20020076705A1
GENERAL INFORMATION:
APPLICANT: Rosen et al.
TITLE OF INVENTION: 31 Human Secreted Proteins
FILE REFERENCE: PZ033P1
CURRENT FILING DATE: 2001-03-30
PRIOR APPLICATION NUMBER: 09/531,119
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;; Pred. No. 1.1e
0; Mismatches
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US-10-607-565-98
Sequence 98, Application US/10607565
Publication No. US20040048294A1
GENERAL INFORMATION:
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Best Local Similarity 100.0
Matches 245; Conservative
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US-10-607-565-98
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R APPLICATION NUMBER: 60/099812
R FILING DATE: 1998-09-10
R APPLICATION NUMBER: 60/099816
R FILING DATE: 1998-09-10
R APPLICATION NUMBER: 60/100038
R FILING DATE: 1998-09-11
R APPLICATION NUMBER: 60/100385
R FILING DATE: 1998-09-15
R FILING DATE: 1998-09-15
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REPLING DATE: 1998-09-15
REPLING DATE: 1998-09-16
REPLING DATE: 1998-09-16
REPLING DATE: 1998-09-18
REPLING DATE: 1998-09-18
REPLING DATE: 1998-09-18
REPLING DATE: 1998-09-17
REPLING DATE: 1998-09-17
REPLING DATE: 1998-09-17
REPLING DATE: 1998-09-27
REPLING DATE: 1998-09-24
                                                                                       R APPLICATION NUMBER: 60/089538
R FILING DATE: 1998-06-17
R APPLICATION NUMBER: 60/089958
R APPLICATION NUMBER: 60/089058
R APPLICATION NUMBER: 60/090472
R FILING DATE: 1998-06-18
R APPLICATION NUMBER: 60/090557
R APPLICATION NUMBER: 60/090557
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R APPLICATION NUMBER: 60/090557
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R APPLICATION NUMBER: 60/090695
R FILING DATE: 1998-06-25
R APPLICATION NUMBER: 60/091982
R FILING DATE: 1998-07-07
R APPLICATION NUMBER: 60/095302
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R APPLICATION NUMBER: 60/095318
R FILING DATE: 1998-08-04
R APPLICATION NUMBER: 60/095916
R FILING DATE: 1998-08-10
R APPLICATION NUMBER: 60/096146
R FILING DATE: 1998-08-11
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APPLICATION NUMBER: 60/099596
FILING DATE: 1998-09-09
FILING DATE: 1998-09-09
FILING DATE: 1998-09-09
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APPLICATION NUMBER: 60/106248
APPLING DATE: 1998-10-29
APPLICATION NUMBER: 60/106464
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APPLICATION UNMBER: 60/097986
FILING DATE: 1998-08-26
APPLICATION NUMBER: 60/098544
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APPLICATION NUMBER: 60/099811
FILING DATE: 1998-09-10
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APPLICATION NUMBER: 60/101922
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APPLICATION NUMBER: 60/106178
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                                  PRINCH REPRINCE BRICKS 
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APPLICANT: Baker, Kevin P.
APPLICANT: Benovers, Luc
APPLICANT: Genicled, Mary
APPLICANT: Genicled, Mary
APPLICANT: Genicled, Mary
APPLICANT: Genicled, Mary
APPLICANT: Genicled, Jo. Christopher
APPLICANT: Grimald, J. Christopher
APPLICANTON NUMBER: US/10,21,884
CURRENT FILING DATE: 2002-06-26
FRIOR FILING DATE: 1907-10-17
FRIOR FILING DATE: 1907-10-17
FRIOR APPLICANTON NUMBER: GO/G6387
FRIOR FILING DATE: 1907-10-13
FRIOR APPLICANTON NUMBER: GO/G6397
FRIOR FILING DATE: 1909-01-31
FRIOR PRING PRING DATE: 1909-01-31
FRIOR APPLICANTON NUMBER: GO/G6397
FRIOR FILING DATE: 1908-01-20
FRIOR F
                                                                                                                             COVNNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWV 180
                                                                                                                                                                                                                                                CQVNNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVTNWV 180
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R AFFLICATION NUMBER: 60/134287
R AFFLICATION NUMBER: 60/134287
R AFLING DATE: 1999-06-14
R AFLING DATE: 1999-06-22
R AFLING DATE: 1999-06-22
R FILING DATE: 1999-06-22
R FILING DATE: 1999-06-22
R FILING DATE: 1999-06-22
R FILING DATE: 1999-06-23
R FILING DATE: 1999-07-20
R FILING DATE: 1998-10-30
R APPLICATION NUMBER: 60/106905
R FILING DATE: 1998-11-03
R APPLICATION NUMBER: 60/108787
R FILING DATE: 1998-11-17
R APPLICATION NUMBER: 60/108801
R FILING DATE: 1998-11-17
R APPLICATION NUMBER: 60/10881
R FILING DATE: 1998-11-17
R APPLICATION NUMBER: 60/108849
R FILING DATE: 1998-11-18
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R FILING DATE: 1999-08-03
R PELLING DATE: 1999-08-17
R PELLING DATE: 1999-08-17
R APPLICATION NUMBER: 60/149638
R APPLICATION NUMBER: 60/149638
R APPLICATION NUMBER: 60/15/33
R APPLICATION NUMBER: 60/15/1733
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APPLICATION NUMBER: 60/169445
FILING DATE: 1999-12-07
                                                                                                                               APPLICATION NUMBER: 60/112422
FILING DATE: 1998-12-15
APPLICATION NUMBER: 60/113296
FILING DATE: 1998-12-22
APPLICATION NUMBER: 60/113605
                                                                                                                                                                                                                                  FILING DATE: 1998-12-23
APPLICATION NUMBER: 60/11558
FILING DATE: 1999-01-12
APPLICATION NUMBER: 60/11556
FILING DATE: 1999-01-12
                                                                                                                                                                                                                                                                                                        APPLICATION NUMBER: 60/115733
FILING DATE: 1999-01-12
APPLICATION NUMBER: 60/119549
FILING DATE: 1999-02-10
APPLICATION NUMBER: 60/123618
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APPLICATION UNMBER: 60/126773
FILING DATE: 1999-03-29
APPLICATION NUMBER: 60/127887
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FILING DATE: 1999-04-26
APPLICATION NUMBER: 60/131270
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APPLICATION NUMBER: 60/131291
FILING DATE: 1599-04-27
APPLICATION NUMBER: 60/131445
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APPLICATION NUMBER: 60/125775
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APPLICATION NUMBER: 60/130232
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APPLICATION NUMBER: 60/146222
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APPLICATION NUMBER: 60/166361
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APPLICATION NUMBER: 60/125259
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APPLICATION NUMBER: 60/113621
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APPLICANT: GARGAMSKA, Jaul J.

APPLICANT: Watanabe, Colin L.

APPLICANT: Watanabe, Colin L.

APPLICANT: Watanabe, Colin L.

APPLICANT: Watanabe, Colin L.

APPLICANT: WATANAMSKA JAME

APPLICANT: WATANAMSKA JAME

TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC

TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC

TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND COLOR THE SAME

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                                                                                                                                       99.3%; Score 1277; DB 14; ilarity 100.0%; Pred. No. 8.7e-96; Conservative 0; Mismatches 0;
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Godowski, Paul J.
Grimaldi, J. Christopher
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; Sequence 236, Application US/10230163

; Publication No. US20030036635A1

; GENERAL INFORMATION:
PRIOR APPLICATION NUMBER: 60/169495 PRIOR FILING DATE: 1999-12-07 PRIOR APPLICATION NUMBER: 60/169835
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APPLICANT: Desnoyers, Luc
APPLICANT: Gerritsen, Mary
                                                                                                                                                                       Best Local Similarity
Matches 243; Conserv
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APPLICANT:
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NR APPLICATION NUMBER: 60,082804

RR FILING DATE: 1998-04-22

RAPPLICATION NUMBER: 60/08441

RR FILING DATE: 1998-05-06

RR APPLICATION NUMBER: 60/085323

RR FILING DATE: 1998-05-13

RR FILING DATE: 1998-05-13

RR FILING DATE: 1998-05-15

RR APPLICATION NUMBER: 60/086392 R FILING DATE: 1998-08-04
R APPLICATION NUMBER: 60/095318
R FILING DATE: 1998-08-04
R APPLICATION NUMBER: 60/095916
R FILING DATE: 1998-08-10
R APPLICATION NUMBER: 60/096146
R FILING DATE: 1998-08-11
R APPLICATION NUMBER: 60/096791
R APPLICATION NUMBER: 60/096791
R APPLICATION DATE: 1998-08-11 R FILING DATE: 1998-08-31
R APPLICATION NUMBER: 60/099596
R FILING DATE: 1998-09-09
R FILING DATE: 1998-09-09
R FILING DATE: 1998-09-09
R APPLICATION NUMBER: 60/099603 R FILING DATE: 1998-09-10
R APPLICATION NUMBER: 60/099811
R FILING DATE: 1998-09-10
R FILING DATE: 1998-09-10
R APPLICATION NUMBER: 60/099816 FILING DATE: 1998-05-22
APPLICATION NUMBER: 66/089532
FILING DATE: 1998-06-17
FILING DATE: 1998-06-17 APPLICATION NUMBER: 60/100848 FILING DATE: 1998-09-18 APPLICATION NUMBER: 60/100919 FILING DATE: 1998-06-17 APPLICATION NUMBER: 60/089905 FILING DATE: 1998-06-18 APPLICATION NUMBER: 60/090472 FILING DATE: 1998-06-24 FILING DATE: 1998-06-25 APPLICATION NUMBER: 60/090695 FILING DATE: 1998-06-25 APPLICATION NUMBER: 60/091982 FILING DATE: 1998-07-07 APPLICATION NUMBER: 60/095302 FILING DATE: 1998-09-15 APPLICATION NUMBER: 60/100390 FILING DATE: 1998-09-15 APPLICATION NUMBER: 60/101741 FILING DATE: 1938-09-24 APPLICATION NUMBER: 60/101786 FILING DATE: 1998-09-25 FILING DATE: 1998-06-24 APPLICATION NUMBER: 60/090557 FILING DATE: 1998-06-24 APPLICATION NUMBER: 60/090691 APPLICATION NUMBER: 60/097986 FILING DATE: 1998-08-26 APPLICATION NUMBER: 60/098544 FILING DATE: 1998-09-10 APPLICATION NUMBER: 60/100038 APPLICATION NUMBER: 60/100385 APPLICATION NUMBER: 60/100627 FILING DATE: 1998-09-17
APPLICATION NUMBER: 60/101477 FILING DATE: 1998-09-23 APPLICATION NUMBER: 60/101738 FILING DATE: 1998-04-15 FILING DATE: 1998-09-16 FILING DATE: 1998-09-11 FILING DATE: 1998-09-24 PRIOR
PRIOR PRIOR

R FILING DATE: 1998-10-28
R APPLICATION NUMBER: 60/106248
R FILING DATE: 1998-10-29
A PAPLICATION NUMBER: 60/106464
R FILING DATE: 1998-10-30
R APPLICATION NUMBER: 60/106905 R FILING DATE: 1998-12-22 R APPLICATION NUMBER: 60/113605 R FILING DATE: 1998-12-23 R APPLICATION NUMBER: 60/113621 R FILING DATE: 1998-12-23 R APPLICATION NUMBER: 60/115558 R FILING DATE: 1999-01-12 R FILING DATE: 1999-03-29
R APPLICATION NUMBER: 60/127887
R FILING DATE: 1999-04-05
R APPLICATION NUMBER: 60/130232
R FILING DATE: 1999-04-21
R APPLICATION NUMBER: 60/131022 R FILING DATE: 1999-04-27
R APPLICATION NUMBER: 60/131445
R FILING DATE: 1999-04-28
R PILING DATE: 1999-05-14
R FILING DATE: 1999-05-14
R APPLICATION NUMBER: 60/140650 FILING DATE: 1998-09-24
APPLICATION NUMBER: 60101922
FILING DATE: 1998-09-24
APPLICATION NUMBER: 60/106178 FILING DATE: 1998-11-03
APPLICATION NUMBER: 60/108787
FILING DATE: 1998-11-17
FILING DATE: 1998-11-17 APPLICATION NUMBER: 60/108849 FILING DATE: 1998-11-18 APPLICATION NUMBER: 60/112422 APPLICATION NUMBER: 60/115565 FILING DATE: 1999-01-12 APPLICATION NUMBER: 60/115733 FILING DATE: 1999-02-10 APPLICATION NUMBER: 60/123618 FILING DATE: 1999-03-10 APPLICATION NUMBER: 60/125259 APPLICATION NUMBER: 60/125775 FILING DATE: 1999-03-23 APPLICATION NUMBER: 60/126773 FILING DATE: 1999-07-20 APPLICATION NUMBER: 60/145698 FILING DATE: 1999-07-26 FILING DATE: 1999-04-26 APPLICATION NUMBER: 60/131270 FILING DATE: 1999-06-22 APPLICATION NUMBER: 60/140723 FILING DATE: 1999-06-22 APPLICATION NUMBER: 60/141037 FILING DATE: 1999-06-23 APPLICATION NUMBER: 60/144758 FILING DATE: 1999-08-03 APPLICATION NUMBER: 60/149320 FILING DATE: 1998-12-15 APPLICATION NUMBER: 60/113296 APPLICATION NUMBER: 60/119549 FILING DATE: 1999-04-27 APPLICATION NUMBER: 60/131291 FILING DATE: 1999-08-17 APPLICATION NUMBER: 60/149638 FILING DATE: 1999-01-12 FILING DATE: 1999-03-19 1999-07-28 PRILICA PRILIC Gaps

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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1 MAELPGPFLCGALLGFLCT.SGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWS
     PRIOR APPLICATION NUMBER: 60/079294
PRIOR FILING DATE: 1998-03-25
PRIOR PELING DATE: 1998-03-25
PRIOR PILING DATE: 1998-03-26
PRIOR FILING DATE: 1998-03-26
PRIOR APPLICATION NUMBER: 60/079728
PRIOR APPLICATION NUMBER: 60/079728
Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 246
SEQ ID NO 236
LENGTH: 327
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Pred. No. 8.7e-96;
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CURRENT FILING DATE: 2002-08-12
PRIOR PRICATION NUMBER: 10/119,480
PRIOR FILING DATE: 2002-04-09
PRIOR FILING DATE: 1997-09-17
PRIOR FILING DATE: 1997-09-17
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/06287
PRIOR PILING DATE: 1997-10-17
PRIOR PILING DATE: 1997-10-17
PRIOR FILING DATE: 1997-10-28
PRIOR FILING DATE: 1997-10-31
PRIOR PRILING DATE: 1997-10-31
PRIOR APPLICATION NUMBER: 60/064103
PRIOR PRILING DATE: 1997-12-17
PRIOR APPLICATION NUMBER: 60/06973
PRIOR PRILING DATE: 1997-12-17
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Gerritsen, Mary
Goddard, Audrey
Godowski, Paul J.
Grimaldi, J. Christopher
Gurney, Austin L.
Smith, Victoria
Srephan, Jean-Philippe F.
Watanabe, Colin L.
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                                                                                                                                                                                                                                                                         ; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-230-338-236
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Best Local Similarity
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APPLICANT: Goddard, Audrey
APPLICANT: Goddard, Audrey
APPLICANT: Goddard, Paul J.
APPLICANT: Godowski, Paul J.
APPLICANT: Godowski, Paul J.
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Smith, Victoria
APPLICANT: Smith, Victoria
APPLICANT: Smith, Victoria
APPLICANT: Watanabe, Colin L.
APPLICANT: Wood, William I.
TITLE OF INVENTION: ACIDS ENCODING THE SAME
FILE REFERENCE: P3530PLC92
CURRENT APPLICATION NUMBER: US/10/230,338
CURRENT FILING DATE: 1097-09-17
PRIOR APPLICATION NUMBER: 60/06213
PRIOR FILING DATE: 1997-10-17
PRIOR APPLICATION NUMBER: 60/06287
PRIOR FILING DATE: 1997-10-31
PRIOR APPLICATION NUMBER: 60/063549
PRIOR FILING DATE: 1997-10-31
PRIOR APPLICATION NUMBER: 60/069873
PRIOR APPLICATION NUMBER: 60/069873
PRIOR PILING DATE: 1997-12-17
PRIOR APPLICATION NUMBER: 60/069873
PRIOR PILING DATE: 1997-12-17
PRIOR APPLICATION NUMBER: 60/069873
PRIOR PILING DATE: 1998-03-20
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PRIOR FILING DATE: 1999-08-17
PRIOR APPLICATION NUMBER: 60/151733
PRIOR FLING DATE: 1999-08-13
PRIOR PELING DATE: 1999-10-09
PRIOR PELING DATE: 1999-11-09
PRIOR PELING DATE: 1999-11-09
PRIOR PELING DATE: 1999-11-16
PRIOR APPLICATION NUMBER: 60/169445
PRIOR PILING DATE: 1999-12-07
PRIOR PELING DATE: 1999-12-07
PRIOR PELING DATE: 1999-12-07
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PRIOR PELING DATE: 1999-12-07
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Publication No. US20030044934A1
GENERAL INFORMATION:
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Gerritsen, Mary
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APPLICANT: Desnoyers, Luc
APPLICANT: Gerritsen, Mary
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APPLICANT: Baker, Kevin P.
APPLICANT: Baker, Kevin P.
APPLICANT: Baker, Kevin P.
APPLICANT: Gearitean, Mary
APPLICANT: Gerritean, Mary
APPLICANT: Grimald, Audrey
APPLICANT: Grimald, J. Christopher
APPLICANT: Grimald, J. Christopher
APPLICANT: Grimald, J. Christopher
APPLICANT: Grimald, J. Christopher
APPLICANT: Smith, Victoria
APPLICANT: Smith, Victoria
APPLICANT: Matanabe, Colin L.
APPLICANT: Matanabe, Colin L.
APPLICANT: Wood, Milliam I.
TITLE OF INVENTION: BCREATED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
TITLE OF INVENTION: ACIDS ENCODING THE SAME
FILE REFERENCE: P3530PIC111
CURRENT APPLICATION NUMBER: 10/119, 480
PRIOR FILING DATE: 2002-04-09
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/06287
PRIOR FILING DATE: 1997-10-17
PRIOR APPLICATION NUMBER: 60/06287
PRIOR FILING DATE: 1997-10-17
PRIOR APPLICATION NUMBER: 60/06349
PRIOR FILING DATE: 1997-10-31
PRIOR APPLICATION NUMBER: 60/06103
PRIOR FILING DATE: 1997-10-31
PRIOR APPLICATION NUMBER: 60/06103
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PRIOR APPLICATION NUMBER: 60/078910
PRIOR FILING DATE: 1998-03-20
PRIOR PILING DATE: 1998-03-20
PRIOR PILING DATE: 1998-03-25
PRIOR PLING DATE: 1998-03-25
PRIOR PLING DATE: 1998-03-26
PRIOR PILING DATE: 1998-03-27
PRIOR PILING DATE: 1998-03-27
PRIOR PILING DATE: 1998-03-27
PRIOR PILING DATE: 1998-03-27
PRIOR FILING DATE: 1998-03-27
PREMENTING PAIC Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 246
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Best Local Similarity 100.
Matches 243; Conservative
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US-10-230-414-236
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APPLICANT: Baker, Kevin P.
APPLICANT: Desnoyers, Luc
APPLICANT: Gerritaen, Mary
APPLICANT: Goddard, Audrey
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, J. Christopher
APPLICANT: Smith, Victoria
APPLICANT: Matanabe, Colin L.
APPLICANT: Mood, William I.
TITLE OF INVENTION: ACIDS ENCODING THE SAME
FILE REFERENCE: P3330PL038
CURRENT APPLICATION NUMBER: 10/119, 480
PRIOR FILING DATE: 2002-04-09
PRIOR FILING DATE: 1997-09-17
PRIOR PLICATION NUMBER: 60/062287
PRIOR FILING DATE: 1997-10-28
PRIOR FILING DATE: 1997-10-28
PRIOR FILING DATE: 1997-10-31
PRIOR FILING DATE: 1997-10-31
PRIOR FILING DATE: 1997-10-11
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                        PRIOR APPLICATION NUMBER: 60/079294
PRIOR FILING DATE: 1998-03-25
PRIOR FILING DATE: 1998-03-25
PRIOR FILING DATE: 1998-03-26
PRIOR FILING DATE: 1998-03-26
PRIOR FILING DATE: 1998-03-27
Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 246
LENGTH: 327
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Publication No. US20030050448A1
GENERAL INFORMATION:
   PRIOR FILING DATE: 1998-03-20
                                                                                                                                                                                                                                                                                                                 ; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-218-631-236
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FVQPGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYL 120
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APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, J. Christopher
APPLICANT: Gurinely, Austin L.
APPLICANT: Gurinely, Victoria
APPLICANT: Stephan, Jean-Philippe F.
APPLICANT: Watenabe, Colin L.
APPLICANT: Wood, William I.
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
TITLE OF INVENTION: ACIDS ENCODING THE SAME
FILE REFERENCE: P3530PLC11
CURRENT APPLICATION NUMBER: US/10/218, 849
CURRENT FILING DATE: 2002-08-12
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   PRIOR APPLICATION NUMBER: 60/069873
PRIOR FILING DATE: 1997-12-17
PRIOR PILING DATE: 1998-03-20
PRIOR FILING DATE: 1998-03-20
PRIOR PILING DATE: 1998-03-20
PRIOR PILING DATE: 1998-03-25
PRIOR PILING DATE: 1998-03-25
PRIOR APPLICATION NUMBER: 60/079656
PRIOR APPLICATION NUMBER: 60/079556
PRIOR PILING DATE: 1998-03-26
PRIOR PILING DATE: 1998-03-27
Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 246
SEQ ID NOS: 246
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APPLICANT: Baker, Kevin P.; APPLICANT: Gerritsen, Mary; APPLICANT: Gerritsen, Mary; APPLICANT: Goddard, Audrey; APPLICANT: Goddard, Paul J.; APPLICANT: Grimaldi, J. Christopher
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CORGANISM: Homo Sapien
US-10-218-849-236
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US-10-216-159A-236
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Matches 243; Conserv
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| Sequence 236, Application US/10216159A
| Publication No. US20030069397A1
| GENERAL INFORMATION:
| APPLICANT: Baker, Kevin P. |
| APPLICANT: Beneyers, Luc |
| APPLICANT: Godowski, Paul J. |
| APPLICANT: Grimaldi, J. Christopher |
| APPLICANT: Grimaldi, J. Christopher |
| APPLICANT: Smith, Victoria |
| APPLICANT: Smith, Victoria |
| APPLICANT: Smith, Victoria |
| APPLICANT: Matabob, Colin L. |
| APPLICANT: Watanabob, Colin L. |
| PRIOR APPLICATION NUMBER: 60/063287 |
| PRIOR APPLICATION NUMBER: 60/063287 |
| PRIOR PILING DATE: 1997-10-38 |
| PRIOR FILING DATE: 1997-10-31 |
| PRIOR FILING DATE: 1997-10-31 |
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PRIOR FILING DATE: 1997-12-17
PRIOR APPLICATION NUMBER: 60/076910
PRIOR APPLICATION NUMBER: 60/079204
PRIOR FILING DATE: 1998-03-20
PRIOR FILING DATE: 1998-03-25
PRIOR APPLICATION NUMBER: 60/079656
PRIOR APPLICATION NUMBER: 60/079728
PRIOR APPLICATION NUMBER: 60/079728
PRIOR FILING DATE: 1998-03-27
Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 246
LENGTH: 327
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100.0%; Pred. No. 8.7e-96;
iive 0; Mismatches 0;
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Matches 243; Conservative
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; ORGANISM: Homo Sapien
US-10-232-224-236
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R FILING DATE: 1998-06-25
R APPLICATION NUMBER: 60/091982
R PILING DATE: 1998-07-07
R APPLICATION NUMBER: 60/095302
R FILING DATE: 1998-08-04
R FILING DATE: 1998-08-04
R APPLICATION NUMBER: 60/095916
R APPLICATION NUMBER: 60/095916
R FILING DATE: 1998-08-10
R FILING DATE: 1998-08-10
R FILING DATE: 1998-08-10
R FILING DATE: 1998-08-11
R APPLICATION NUMBER: 60/096146
                                                                                      R FILING DATE: 1998-05-15
R APPLICATION NUMBER: 60/086392
R FILING DATE: 1998-05-22
R APPLICATION NUMBER: 60/08932
R PILING DATE: 1998-06-17
R APPLICATION NUMBER: 60/089538
R FILING DATE: 1998-06-17
R APPLICATION NUMBER: 60/08905
R FILING DATE: 1998-06-18
R FILING DATE: 1998-06-18
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R APPLICATION NUMBER: 60/090557
R FILING DATE: 1998-06-24
R APPLICATION NUMBER: 60/090691
R FILING DATE: 1998-06-25
R APPLICATION NUMBER: 60/090695
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APPLICATION NUMBER: 60/099596
FILING DATE: 1998-09-09
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APPLICATION NUMBER: 60/100385
FILING DATE: 1998-09-15
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FILLING DATE: 1998-09-15
                                         FILING DATE: 1998-05-13
APPLICATION NUMBER: 60/085579
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APPLICATION NUMBER: 60/097986
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APPLICATION NUMBER: 60/098544
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APPLICATION NUMBER: 60/099812
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APPLICATION NUMBER: 60/099816
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APPLICATION NUMBER: 60/100038
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FILING DATE: 1998-09-18
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                                   PRESENCE PROPERTY OF STREET OF STREE
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APPLICANT: Goldwski, Paul J.
APPLICANT: Grimali, J. Christopher
APPLICANT: Grimali, J. Christopher
APPLICANT: Grimali, J. Christopher
APPLICANT: Such, Victoria
APPLICANT: Stephan, Jean-Philippe F.
APPLICANT: Stephan, Jean-Philippe F.
APPLICANT: Watenabe, Colin L.
APPLICANT: Wood, Milliam I.
APPLICANT: WOOD NUMBER: 60/063913
APPLICANT: WOOD NUMBER: 60/09394
APPLICANT
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                                      Indels
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        Pred. No. 8.7e-96; 
; Mismatches 0;
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5. US20030073816A1
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APPLICANT: Desnoyers, Luc
APPLICANT: Gerritsen, Mary
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Peul J.
APPLICANT: Grimaldi, J. Chri
                                   243; Conservative
Best Local Similarity
Matches 243; Conserv
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Publication No. US20
GENERAL INFORMATION:
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PRIOR FILING DATE: 1998-10-28

PRIOR PLING DATE: 1998-10-29

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PRIOR PLING DATE: 1998-10-30

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PRIOR PLING DATE: 1998-10-30

PRIOR PLING DATE: 1998-11-31

PRIOR PLING DATE: 1998-11-31

PRIOR PLING DATE: 1998-11-31

PRIOR PLING DATE: 1998-11-31

PRIOR PLING DATE: 1998-11-32

PRIOR PRIOR PRESSION NUMBER: 60/10803

PRIOR PRIOR DATE: 1998-11-32

PRIOR PRIOR PRESSION NUMBER: 60/11329

PRIOR PRIOR PRESSION NUMBER: 60/11329

PRIOR PLING DATE: 1998-12-23

PRIOR PRIOR DATE: 1998-12-23

PRIOR PRIOR DATE: 1998-12-33

PRIOR PRIOR DATE: 1999-12-23

PRIOR PRESSION NUMBER: 60/11329

PRIOR PRESSION NUMBER: 60/12673

PRIOR PRESSION NUMBER: 60/12673

PRIOR PRESSION NUMBER: 60/12679

PRIOR PRESSION NUMBER: 60/14059

PRIOR PRESSION NUMBER: 60/14
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APPLICANT: Geriatesh, Mary
APPLICANT: Goddard, Audrey
APPLICANT: Goddard, Paul J.
APPLICANT: Goddweki, Paul J.
APPLICANT: Griamaldi, J. Christopher
APPLICANT: Griamaldi, J. Christopher
APPLICANT: Stephan, Jean-Philippe F.
APPLICANT: Stephan, Jean-Philippe F.
APPLICANT: Watanabe, Colin L.
APPLICANT: Wood, William I.
APPLICANT: Wood, William I.
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
TITLE OF INVENTION: ACIDS ENCODING THE SAME
FILE REFERENCE: P3530PLC78
CURRENT PELLON NUMBER: U5/119,480
PRIOR APPLICATION NUMBER: 10/119,480
PRIOR APPLICATION NUMBER: 60/053113
PRIOR PLILNG DATE: 1997-09-17
PRIOR FILING DATE: 1997-10-17
PRIOR PLILORION NUMBER: 60/06349
PRIOR FILING DATE: 1997-12-17
PRIOR PLILORION NUMBER: 60/063913
PRIOR FILING DATE: 1999-10-20
PRIOR PLILORION NUMBER: 60/079294
PRIOR PLILORION NUMBER: 60/079294
PRIOR PLILORION NUMBER: 60/079286
PRIOR PLILORION NUMBER: 60/079289
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PRIOR APPLICATION NUMBER: 60/166361
PRIOR FILING DATE: 1999-11-16
PRIOR APPLICATION NUMBER: 60/16945
PRIOR FILING DATE: 1999-12-07
PRIOR APPLICATION NUMBER: 60/169495
PRIOR PILING DATE: 1999-12-07
PRIOR APPLICATION NUMBER: 60/169835
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 236, Application US/10227883 Publication No. US20030073817A1 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICANT: Baker, Kevin P.
APPLICANT: Desnoyers, Luc
APPLICANT: Gerritsen, Mary
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PRIOR FILING DATE: 1998-03-27
FRICAR PRILING DATE: 1998-04-15
FRICAR PRICATION NUMBERS: 60/081955
FRICAR PLEILOR DATE: 1998-04-15
FRICAR PRICATION NUMBERS: 60/081915
FRICAR PLEILOR DATE: 1998-04-15
FRICAR PLEILOR DATE: 1998-04-15
FRICAR PLEILOR DATE: 1998-04-15
FRICAR PLEILOR DATE: 1998-04-15
FRICAR PLEILOR DATE: 1998-06-15
FRICAR PLEILOR DATE: 1998-06-17
FRICAR PLEILOR DATE: 1998-06-19
FRICAR PLEILOR DATE: 1998-06-10
FRICAR PLEILOR DATE: 199
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R FILING DATE: 1998-11-17

R APPLICATION NUMBER: 60/108849

R FILING DATE: 1998-11-18

R FILING DATE: 1998-12-15

R FILING DATE: 1998-12-15

R APPLICATION NUMBER: 60/113296

R APPLICATION NUMBER: 60/113605

R RILING DATE: 1998-12-23

R APPLICATION NUMBER: 60/113618

R PILING DATE: 1998-12-23

R APPLICATION NUMBER: 60/113621

R APPLICATION NUMBER: 60/113618

R APPLICATION NUMBER: 60/113618

R FILING DATE: 1999-01-12

R APPLICATION NUMBER: 60/11565

R FILING DATE: 1999-01-12

R APPLICATION NUMBER: 60/11565

R FILING DATE: 1999-01-12

R APPLICATION NUMBER: 60/119649

R FILING DATE: 1999-01-12

R APPLICATION NUMBER: 60/119649

R FILING DATE: 1999-01-10

R APPLICATION NUMBER: 60/119649

R FILING DATE: 1999-01-10

R APPLICATION NUMBER: 60/119649

R FILING DATE: 1999-03-10

R APPLICATION NUMBER: 60/125259 R FILING DATE: 1998-09-24

R FILING DATE: 1998-10-28

R PRING DATE: 1998-10-28

R APPLICATION NUMBER: 60/106248

R FILING DATE: 1998-10-29

R APPLICATION NUMBER: 60/106464

R APPLICATION NUMBER: 60/106464 APPLICATION NUMBER: 60/131270 FILING DATE: 1999-04-27 APPLICATION NUMBER: 60/131291 FILING DATE: 1999-04-27 FILING DATE: 1998-09-25
APPLICATION NUMBER: 60/101916
FILING DATE: 1998-09-24
APPLICATION NUMBER: 60/101922 APPLICATION NUMBER: 60/106905 FILING DATE: 1998-11-03 FILING DATE: 1999-04-21 APPLICATION NUMBER: 60/131022 FILING DATE: 1999-04-26 APPLICATION NUMBER: 60/108787 FILING DATE: 1998-11-17 APPLICATION NUMBER: 60/108801 FILING DATE: 1999-03-19 APPLICATION NUMBER: 60/125775 FILING DATE: 1999-03-23 APPLICATION NUMBER: 60/126773 FILING DATE: 1999-03-29 APPLICATION NUMBER: 60/127887 FILING DATE: 1999-04-05 APPLICATION NUMBER: 60/130232 APPLICATION NUMBER: 60/131445 FILING DATE: 1999-04-28 APPLICATION NUMBER: 60/134287 APPLICATION NUMBER: 60/140650 FILING DATE: 1999-06-22 FILING DATE: 1999-06-22 APPLICATION NUMBER: 60/141037 FILING DATE: 1999-06-23 APPLICATION NUMBER: 60/145698 FILING DATE: 1999-07-26 APPLICATION NUMBER: 60/146222 FILING DATE: 1999-07-28 FILING DATE: 1999-07-28 APPLICATION NUMBER: 60/146963 APPLICATION NUMBER: 60/140723 FILING DATE: 1999-05-14 ILING DATE: 1999-07-20 PRILICA PRILIC

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APPLICANT: Gerritsen, Mary
APPLICANT: Goddard, Audrey
APPLICANT: Goddward, Paul J.
APPLICANT: Goddward, Paul J.
APPLICANT: Grimaldi, J. Christopher
APPLICANT: Grimaldi, J. Christopher
APPLICANT: Smith, Victoria
APPLICANT: Smith, Victoria
APPLICANT: Watanabe, Colin L.
APPLICANT: Watanabe, Colin L.
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
TITLE OF INVENTION: ACIDS ENCODING THE SAME
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            121 CQVNNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWV
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100.0%; Pred. No. 8.7e-96;
iive 0; Mismatches 0;
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CURRENT FILING DATE: 2002-08-14
PRIOR APPLICATION NUMBER: 10/119,480
PRIOR FILING DATE: 2002-04-09
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059113
PRIOR APPLICATION NUMBER: 60/06287
PRIOR APPLICATION NUMBER: 60/063849
PRIOR PLING DATE: 1997-10-17
PRIOR PLING DATE: 1997-10-17
PRIOR APPLICATION NUMBER: 60/063549
PRIOR FILING DATE: 1997-10-3
PRIOR FILING DATE: 1999-08-03
PRIOR APPLICATION NUMBER: 60/149320
PRIOR PILING DATE: 1999-08-17
PRIOR APPLICATION NUMBER: 60/149638
PRIOR PILING DATE: 1999-08-17
PRIOR APPLICATION NUMBER: 60/151733
PRIOR APPLICATION NUMBER: 60/151733
PRIOR APPLICATION NUMBER: 60/164418
PRIOR PILING DATE: 1999-11-09
PRIOR PILING DATE: 1999-11-16
PRIOR PILING DATE: 1999-11-16
PRIOR PILING DATE: 1999-11-16
PRIOR PILING DATE: 1999-12-07
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Publication No. US20030078379A1
GENERAL INFORMATION:
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PRIOR APPLICATION NUMBER: 60/069873

PRIOR FILING DATE: 1997-12-17

PRIOR APPLICATION NUMBER: 60/078910

PRIOR PELLING DATE: 1998-03-20

PRIOR PILING DATE: 1998-03-25

PRIOR PILING DATE: 1998-03-26

PRIOR PELLING DATE: 1998-03-26

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PRIOR PELLING DATE: 1998-03-26

PRIOR PILING DATE: 1998-03-26

PRIOR PILING DATE: 1998-03-26

NOWBER OF SEQ ID NOS: 246

SEQ ID NO 236

LENGTH: 327
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ORGANISM: Homo Sapien
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                                                                                                                                                                                        August 4, 2005, 05:56:06 ; Search time 61.3592 Seconds
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Copyright (c) 1993 - 2005 Compugen Ltd.
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097066 rattus norv

080474 brachydanio

090484 homo sapien

09110 bus scrofa

0951310 homo sapien

095813 mescac fasc

08737 mus meculu

08130 rattus norv

091654 homo sapien

092055 mus musculu

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EMBL, AKO00460; BAA91179.1; -
EMBL, AKO00460; BAA91179.1; -
InterPro; IPR00710; Ig-1ike.
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01-0CT-2000 (TrEMBLrel. 15, Last sequence update)
01-0CT-2003 (TrEMBLrel. 25, Last annotation update)
Hypothetical protein FLJ20453.
Homo sapiens (Human).
Eukaryota, Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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                                                                                                                                                                                                                                                                                                                                                                     284 AA
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            09R067
09R066
0804R4
09UKV4
CXAR HUMAN
09TU79
                                                                                                                 Q8WWV3
Q95KI3
Q8R373
Q8KIG0
Q9H6B4
Q920S5
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[1]
SEQUENCE FROM N.A.
Kumaq
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PPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWVRLGTFPTPSPGSMVQDEVSGQLI 180
                                                                                                                                                                                                                                                                                     01-MAY-1999 (TrEMBLrel. 10, 01-MAY-1999 (TrEMBLrel. 10, 01-OCT-2003 (TrEMBLrel. 25,
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Matches 217; Conserv
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      121
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Xaugner R.D., Colling F.S., Wagner L., Shenmen C.M., Schuler G.D.,

Altschul S.F., Zeeberg B., Buetow K.H., Schaefer C.F., Bahat N.K.,

Altschul S.F., Zeeberg B., Buetow K.H., Schaefer C.F., Bahat N.K.,

A physing R.F., Jordan H., Moore T., Max S.I., Hang J., Heibh F.,

Rapleton M., Soarse M.B., Bonaldo M.F., Gasavant T.L., Scheetz T.E.,

Rapleton M., Soarse M.B., Bonaldo M.F., Caruhnci P., Frange C.,

Raha S.S., Loquellano N.A., Peters G.J., Abramson R.D., Mullahy S.J.,

Rabas S.A., McKwan P.J., McKernan K.J., Malek J.A., Ghubs R.A.,

Richards S., Worley K.C., Hale S., Garcia A.M., Gay L.J., Hulyk S.W.,

Xa Nilalon D.K., Muzny D.M., Sodergren E.J., Lu X., Gibbs R.A.,

Rabey J., Helton E., Ketteman M., Madan A., Rodrigues S., Sanchez A.,

Rhiting M., Madan A., Young A.C., Shevchenko Y., Bouffard G.G.,

Rhiting M., Madan A., Young A.C., Shevchenko Y., Bouffard G.G.,

Rodriguez A.C., Grimwood J., Schmutz J., Myers R.M., Butterfield Y.S.,

Noring M., Marra M.A.,

Jones S.J., Marra M.A.,

T. "Generation and initial analysis of more than 15,000 full-length human man manner of the stranger of th
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MEDLINE=22897296; PubMed=12975309; DOI=10.1101/gr.1293003;

MEDLINE=22897296; PubMed=12975309; DOI=10.1101/gr.1293003;

Clark H.F., Gurney A.L., Abaya E., Baker K., Baldwin D., Brush J.,

Chen J., Chow B., Chui C., Crowley C., Currell B., Deuel B., Dowd P.,

Eaton D., Foster J., Grimaldi C., Gu Q., Hass P.E., Heldens S.,

Huang A., Kim H.S., Klimowski L., Jin Y., Johnson S., Lee J.,

Lewis L., Liao D., Mark M., Robbie E., Sanchez C., Schoenfeld J.,

Seshagiri S., Simmons L., Singh J., Smith V., Stinson J., Vagts A.,

Vandlen R., Watanabe C., Wieand D., Woods K., Xie M.H., Yansura D.,

Yi S., Yu G., Yuan J., Zhang M., Zhang Z., Goddard A., Wood W.I.,

Godowski P.,

"The secreted protein discovery initiative (SPDI), a large-scale

effort to identify novel human secreted and transmembrane proteins: a
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                                                                                        Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Buteleostomi,
Mammalia, Butheria, Primates, Catarrhini, Hominidae, Homo.
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                      V-set and immunoglobulin domain containing 2 (CTH Variant) Name-VSIG2; ORFNames-UNQ2770;
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Submitted (MAY-2001) to the EMBL/GenBank/DDBJ databases.
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327 AA; 34348 MW; CF395AC7EF951AC1 CRC64;
25-OCT-2004 (TrEMBLrel. 28, Last annotation update)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Proc. Natl. Acad. Sci. U.S.A. 99:16899-16903(2002).
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InterPro; IPR007110; Ig-like.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   bioinformatics assessment.";
Genome Res. 13:2265-2270(2003).
EMBL; BC007313.1; --.
EMBL; AY358897; AAQ89256.1; --.
HSSP; 088792; 1F97.
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Best Local Similarity 100.
Matches 220; Conservative
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                                                                    Homo sapiens (Human)
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PROSITE; PS50835; I
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                                                                                                                                   NCBI_TaxID=9606;
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121 PPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWVRLGTFPTPSPGSMVQDEVSGQLI 180
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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01-JUN-2001 (TrEMBLrel. 17, Last sequence update)
01-MAR-2004 (TrEMBLrel. 26, Last annotation update)
Mus masculus adult male stomach cDNA, RIKEN full-length enriched
library, clone:2210413P10 product:CTM homolog (Fragment).
Name=2210413P10Rik;
Mus musculus (Mouse).
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                                                      181 LTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQGRVA 220
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                                                                                                                                                                                                                                                 Created)
Last sequence update)
Last annotation update)
                                                                               204 LINLSLISSGTYRCVAINQMGSASCELTLSVTEPSQGRVA
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Query Match
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SEQUENCE FROM N.A.

Adachi J., Alzawa K., Akahira S., Akimura T., Arai A., Aono H.,

Arakawa T., Bono H., Carninci P., Fukuda S., Fukunishi Y., Furuno M.,

A Arakawa T., Bono H., Carninci P., Fukuda S., Fukunishi Y., Furuno M.,

Hanagaki T., Hara A., Hayatsu N., Hiramoto K., Hiraoka T., Hori F.,

Imotani K., Ishii Y., Itoh M., Izawa M., Kasukawa T., Kato H.,

Kawai J., Kojima Y., Konno H., Kouda M., Koya S., Kurihara C.,

Matsuyama T., Miyazaki A., Nishi K., Nomura K., Numazaki R., Ohno M.,

Okazaki Y., Okido T., Owa C., Saito H., Saito R., Sakai K.,

Sano H., Sasaki D., Shibata K., Shibata Y., Shinagawa A., Takahashi T.,

Sogabe Y., Suzuki H., Tagawi M., Tagawa A., Takahashi F., Tanaka T.,

Muramatsu M., Hayashizaki Y.;

Muramatsu M., Hayashizaki Y.;

Submitted (Jul.-2000) to the EMBL/GenBank/DDBJ databases.

EMBL; AK008920; BAB25968:1; -..

REBL; AK08920; BAB25968:1; -..

RICEPTO; IPR007110; Ig-like.

RICEPTO; IPR007110; Ig-like.
                                                                                                                                                                                                                                                                                            STRAIN=CSTBL/6J; IISSUB-Stomach;
The FANTOM Consortium,
the RIKEN Genome Exploration Research Group Phase I & II Team;
the RIKEN Genome Exploration Research Group Phase I & II Team;
analysis of the mouse transcriptome based on functional annotation of
60,770 full-length cDNAs.";
Nature 420:563-573(2002).
                                                                                                                                                                                                                                                                                                                                                                                                               SECUENCE FROM N.A.
SETRANT=C57BL/6J; TISSUE=Stomach;
MEDLINE=20499374; PubMed=11042159; DOI=10.1101/gr.145100;
Carninci P., Shibata Y., Hayatsu N., Sugahara Y., Shibata K., Itoh M.,
Konno H., Okazaki Y., Muramatsu M., Hayashizaki Y.;
Normalization and subtraction of cap-trapper-selected cDNAs to
prepare full-length cDNA libraries for rapid discovery of new genes.";
Genome Res. 10:1617-1630(2000).
                                                           SEQUENCE FROM N.A.
STRAIN=C57BL/6J; TISSUE=Stomach;
MEDLINE=99279253; PubMed=10349636; DOI=10.1016/S0076-6879(99)03004-9;
Carninci P., Hayashizaki Y.;
"High-efficiency full-length cDNA cloning.";
Meth. Enzymol. 303:19-44(1999).
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MEDLINE=20530913; PubMed=11076861; DOI=10.1101/gr.152600;
Shibata K., Itoh M., Alzawa K., Nagacka S., Sasaki N., Carninci P., Sumi N., Itoh M., Alzawa K., Nagacka S., Sasaki N., Carninci P., Sumi N., Ishii Y., Nakamura S., Hazama M., Nishine T., Harada A., Yamamoto R., Matuminco H., Sakaguchi S., Ikegami T., Kashiwagi K., Fujiwake S., Inoue K., Togawa W., Izawa M., Ohara E., Watshiwagi K., Yoneda Y., Ishikawa T., Ozawa K., Tanaka T., Matsuura S., Kawai J., RKEN integrated sequence Analysis (RISA) system-384-format Genome Res. 10:1757-1771(2000).
 Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi,
Mammalia, Eutheria, Rodentia, Sciurognathi, Muridae, Murinae, Mus
                                                                                                                                                                                                                                       "Functional annotation of a full-length mouse cDNA collection."; Nature 409:685-690(2001).
                                                                                                                                                                       SEQUENCE FROM N.A.
STRALN-G57BL/60; TISSUE-Stomach;
MEDLINE-21085660; Pubmed=11217851; DOI=10.1038/35055500;
RIKEN FANTOM Consortium;
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SMART; SM00406; IGv; 1.
PROSITE; PS50835; IG LIKE; 2.
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                               WCBI_TaxID=10090;
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                                                                                                                                                                                                    61 PTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYLCQVNNPPDFYTNGLGLINLTVLV 120
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                                                                                                                                                                                                                                                                                                                                                   204
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DOI=10.1002/(SICI)1521-4141(199812)28:12<4094::AID-IMMU4094>3.3.CO;2-U;
Chretien I., Marcuz A., Courtet M., Katevuo K., Vainio O., Heath J.K.,
White S.J., Du Pasquier L.;
                                                                                                                                                                                                                              145 PPSHPLCSQSGQTSVGGSAALGCRSSEGAPKPVXNWERLGSSPTPPPGSMVQDEVSGQLI
                                                                                                                                25 VEVIVPTEPLSVPKGKTAELSCSYKTSVGDNFALEWSFVQPGKPISASVPVLYFTNGHLY
                                                                                                                                                                                                                                                                                                  121 PPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWVRLGTFPTPSPGSMVQDEVSGQLI
                                                                                                   1 VEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWSFVQPGKPISESHPILYFTNGHLY
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             25 VEVIVPTEPLSVPKGKTAELSCSYKTSVGDNFALEWSFVQPGKPISASVPVLYFTNGHLY
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                                                    Gaps
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Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi;
Mammalia, Eutheria, Rodentia, Sciurognathi; Muridae, Murinae, Mus.
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Length 304;
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82.5%; Score 960; DB 2; Length 32
Best Local Similarity 83.2%; Pred. No. 5.7e-68;
Matches 183; Conservative 13; Mismatches 24; Indels
                                                 21; Indels
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InterPro; IRR007110; Ig-like.
InterPro; IRR003006; Ig_MHC.
InterPro; IRR003506; Ig_V.
Pfam; PF00047; ig; 1.
SMART; SM00406; IGV; 1.
PROSITE; PS500835; IG_LIKE; 2.
PROSITE; PS000290; IG MHC; UNKNOWN 1.
SEQUENCE 328 AA; 34258 MW; ODĀ4C7BF7E221255 CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                     LINLSLISSGIYRCVAINOMGSASCELTLSVIEPSOGRVA 220
                                                                                                                                                                                                                                                                                                                                                                                                                               205 LINLSLISSGTYRCVASNOMGSASCELNLSVTDSSEGRVA 244
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Last sequence update)
Last annotation update)
84.4%; Score 982; DB 2;
84.5%; Pred. No. 9.5e-70;
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                                               13; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Created)
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                          Best Local Similarity 84.59
Matches 186; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    PRELIMINARY;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Name=2210413P10Rik;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    SEQUENCE FROM N.A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        NCBI_TaxID=10090;
                                                                                                                                                                                                                                                                                                                                                                                                     181
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82

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GHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYLCQVNNPPDFYTNGLGLINL 116
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sano H., Sasaki D., Shibata K., Shibata Y., Shinagawa A., Shiraki T., Sogabe Y., Suzuki H., Tagami M., Tagawa A., Takahashi F., Tanaka T., Tejima Y., Toya T., Yamamura T., Yasunishi A., Yoshida K., Yoshino M., Muramatsu M., Hayashizaki Y., Submitted (JUL-2000) to the EMBL/GenBank/DDBJ databases.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                23 GLATLKLTDLRPSDTGTYLCNVNNPPDFYTNGLGLINLTVLVPPSHPLCSQSGQTSVGGS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     79 GVATLKLTDVHPSDTGTYLCQVNNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGS
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   01-OCT-2003 (TrEMBLrel. 25, Created)
01-OCT-2003 (TrEMBLrel. 25, Last sequence update)
01-OCT-2004 (TrEMBLrel. 26, Last annotation update)
01-BAR-2004 (TrEMBLrel. 26, Last annotation update)
MARKER (Novel protein similar to X. laevis Cortical Thymocyte
MARKER CTX) (Fragment).
Name=dJ889N15.1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi,
Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Homo.
NCBI_TaxID=9606;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Length 248;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              56.4%; Score 656; DB 2; Length 24
88.0%; Pred. No. 4.8e-44;
ive 7; Mismatches 10; Indels
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Graftan D.;
Graftan D.;
Submitted (JUN-2003) to the EMBL/GenBank/DDBJ databases.
EMBL, AL031177; CAA20116.1; -.
HSSB, O88792; 1F97.
InterPro; IFR007110; Ig-like.
InterPro; IFR003599; Ig_c2.
Ffan; PF00047; Ig; 1.
SWART; SM00408; IGc2; 1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                           PROSITE; PS50835; IG LIKE; 1.
SEQUENCE 248 AA; 26061 MW; 3146D8F85BD3BD81 CRC64;
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259 AA; 27813 MW; 66B729303B9A6B18 CRC64;
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34.2%; Pred. No. 5.9e-20;
tive 47; Mismatches 85;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      143 OMGSASCELNLSVTDSSEGRVA 164
                                                                                                                                                                                                                                                             MGD; MGI:1928009; 2210413P10Rik.
InterPro; IPR007110; Ig-like.
InterPro; IPR003598; Ig_c2.
                                                                                                                                                                                          EMBL; AK004478; BAB23323.1; -. HSSP; O88792; 1F97.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Best Local Similarity 88.0
Matches 125; Conservative
                                                                                                                                                                                                                                                                                                                                                                                Pfam; PF00047; ig; 1.
SMART; SM00408; IGc2; 1.
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ses 76; Conserv
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SEQUENCE
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Matches
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           S OR OR OR SAN
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STRAIN=C57BL/6J; TISSUE=Whole body;

XI MDDLINE=20530913; Pubbaca=11076861; DOI=10.1101/gr.152600;

XI MDDLINE=20530913; Pubbaca=11076861; DOI=10.1101/gr.152600;

XI Shibata K., Itoh M., Aizawa K., Nagaoka S., Sasaki N., Carninci P.,

XI Shibata K., Itoh M., Aizawa K., Nagaoka S., Isashiro H., Itoh M.,

XI Shii Y., Nakamura S., Hazama M., Nishine T., Harada A.,

Yamamoto R., Matsumoto H., Sakaguchi S., Ikegaimagi K.,

Pujiwake S., Inoue K., Togawa Y., Izawa M., Ohara E., Watchiki M.,

Yoneda Y., Ishikawa T., Ozawa K., Tanaka T., Matsuura S., Kawai J.,

Yoneda Y., Ishikawa T., Ozawa K., Tanaka T., Matsuura S., Kawai J.,

Yoneda Y., Ishikawa T., Ozawa K., Tanaka T., Matsura S., Kawai J.,

Yoneda Y., Ishikawa T., Ozawa K., Kira A., Hayashizaki Y.;

RIKEN integrated sequence analysis (RISA) system-384-format

Genome Res. 10:1757-1771(2000).
                                                                                                                                                                                                                                                                                             01-JUN-2001 (TrEMBLrel. 17, Created)
01-JUN-2001 (TrEMBLrel. 17, Last sequence update)
01-OCT-2003 (TrEMBLrel. 25, Last annotation update)
Mus musculus 18-day embryo whole body cDNA, RIKEN full-length enriched library, clone:1190004815 product:CTM homolog.
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STRAIN-CSTBL/G1/ IISSUE=Whole body;
The FANTOM Consortium,
the RIKEN Genome Exploration Research Group Phase I & II Team;
the RIKEN Genome Exploration Research Group Phase I & II Team;
manalysis of the mouse transcriptome based on functional annotation of
60,770 full-length cDNAs.";
Nature 420:563-573(2002).
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STRAIN=CSTBL/6J; TISSUE=Whole body;
STRAIN=CSTBL/6J; TISSUE=Whole body;
MEDLINE=204999374; PubMed=11042159; DOI=10.1101/gr.145100;
Carninci P., Shibata Y., Hayatsu N., Sugahara Y., Shibata K., Itoh M.,
Konno H., Okazaki Y., Muramatsu M., Hayashizaki Y.;
Normalization and subtraction of cap-trapper-selected cDNAs to
prepare full-length cDNA libraries for rapid discovery of new genes.";
Genome Res. 10:1617-1630(2000).
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STRAIN-C57BL/6J; TISSUE-whole body;
Adachi J., Aizawa K., Akahira S., Akimura T., Arai A., Aono H.,
Arakawa T., Bono H., Carninci P., Fukuda S., Fukunishi Y., Furuno M.,
Hanagaki T., Hara A., Hayatsu N., Hiramoto K., Hiraoka T., Hori F.,
Imotani K., Ishii Y., Itoh M., Izawa M., Kasukawa T., Kato H.,
Kawai J., Kojima Y., Konno H., Kouda M., Koya S., Kurihara C.,
Matsuyama T., Miyazaki A., Nishi K., Nomura K., Numazaki R., Ohno M.,
Okazaki Y., Okido T., Owa C., Saito H., Saito R., Sakai K.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     SEQUENCE FROM N.A.
STRAIN=CS7BL/6J; TISSUE=Whole body;
MEDLINE=99279253; PubMed=10349636; DOI=10.1016/S0076-6879(99)03004-9;
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**Strausberg R.L., Feingold E.A., Grouse L.H., Derge J.G.,
**Atlausner R.D., Collins F.S., Wagner L., Shenmen C.M., Schuler G.D.,
**Altschul S.F., Zeeberg B., Buetow K.H., Schaefer C.F., Bhat N.K.,
**Altschul S.F., Zeeberg B., Buetow K.H., Schaefer C.F., Bhat N.K.,
**A Altschul S.F., Zeeberg B., Buetow K.H., Schaefer C.F., Bhat N.K.,
**A Altschul S.F., Zeeberg B., Buetow K.H., Schaefer C.F., Bhat N.K.,
**A Altschul S.P., Zeeberg B., Buetow K.H., Schaefer C.F., Bhat N.K.,
**A Brownstein M.J., Usdin T.B., Toohlyuki S., Carninci P., Frange C.,
**A Raha S.S., Loquellano N.A., Peters G.J., Abramson R.D., Mullahy S.J.,
**A Raha S.S., Loquellano N.A., Peters G.J., Abramson R.D., Mullahy S.J.,
**A Richards S., Worley K.C., Hals, Scherz D., McKernan K.J., Lu X., Glubs R.A.,
**A Richards S., Worley K.C., Hals, Scherson B.J., Lu X., Glubs R.A.,
**A Whiting M., Madan A., Young A.C., Shevchenko Y., Bouffard G.G.,
**A Rodriguez A.C., Grimwood J., Schmutz J., Myers R.M., Butterfield Y.S.,
**A Tomes S.J., Marra M.A.;
**Generation and initial analysis of more than 15,000 full-length human
**A min mouse CDNA sequences.**
                                             :||| || || || || : | : | | : | || || : | | : | | : | | : | | : | | : | | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | :
117 TVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWVRL-GTFPTPSPGSMVQDEV 175
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Ottenwaelder B., Obermaier B., Deutschenbaur S., Schaipp A.,
Ottenwaelder B., Obermaier B., Deutschenbaur S., Schaipp A.,
Mewes H.W., Weil B., Amid C., Osanger A., Pobo G., Han M., Wiemann S.,
Submitted (SEP-2004) to the EMBL/GenBank/DDBJ databases.
EMBL, BC043116, AAH431216.1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                 01-JUN-2003 (TrEMBLrel. 24, Created)
01-JUN-2003 (TrEMBLrel. 24, Last sequence update)
25-GCT-2004 (TrEMBLrel. 28, Last annotation update)
V-set and immunoglobulin domain containing 1 (Hypothetical protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Homo sapiens (Human).
Bukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi,
Mammalia, Butheria, Primates, Catarrhini, Hominidae, Homo.
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                                                                                                                                     176 SGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQG 217
                                                                                                                                                                                   41811 MW; F5D39F3B21FF1D0D CRC64;
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                                                                                                                                                                                                                                                                                                                                                                                                    387 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Name=VSIG1; Synonyms=DKFZp68611638;
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InterPro; IPR007110; Ig-like.
InterPro; IPR003598; Ig_C2.
InterPro; IPR000920; Myelin_P0.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                PERMY PF00047; 19; 1.
PRINTS, PR00213; MYELINPO.
SMART; SM00408; IGC2; 1.
PROSITE; PS50835; IG_LIKE; 2.
                                                                                                                                                                                                                                                                                                                                                                                                PRELIMINARY;
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387 AA; 4
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TISSUE-Human testis;

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A Ottenwaelder B., Obermaler B., Dewnstein S.; Mewes H.W., Weil B.,

A Maid C., Osanger A., Fobo G., Han M., Wiemann S.;

Submitted (AUG-2003) to the EMBL/GenBank/DDBJ databases.

REL, BKG40913, CRE45954.1; -.

BRBL; BKG40913, CRE45954.1; -.

BRIL; BKG40913, CRE45954.1; -.

InterPro; IPR003599; IG.

InterPro; IPR003599; IG.

InterPro; IPR003599; IG.

InterPro; IPR003599; IG.

RITTERPRO; IPR003599; IG.

RELPRO; IPR00407; IG.

BRINTS; PR00407; IG.

SWART; SW00409; IG.2; 2.

SWART; SW00406; IG.; 1.

BROSITE; PS50835; IG.

SWART; SW00406; IG.; 1.

BROSITE; PS50835; IG.

SWART; SW00406; IG.; 1.

SWART; SW00406; IG.; 1.
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                                                                                                                                                                                                                                                                                                                          57 GHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYLCQVNNPPDFYTNGLGLINL 116
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      103 GQAVAIGQFKDRITGSNDP---GNASITISHWQPADSGIYICDVNNPPDFLGQNQGILNV 159
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                                                                                                                                                                                                          22 VQVIIPDGFVNVTVGSNVTLICIYTTTVASREQLSIQWSFFHK----KEMEPISIYFSQG
                                                                                                                                                                                                                                                                                                                                                                     1 VEVKVPTBPLSTPLGKTAELTCTYSTSVG--DSFALEWSFVQPGKPISESHPI-LYFT-N
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Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Homo.
                                                                                      14;
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    30.2%; Score 352; DB 2; Length 387; 34.2%; Pred. No. 9.5e-20; ive 47; Mismatches 85; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  30.2%; Score 352; DB 2; Length 412; 34.2%; Pred. No. 1e-19; ive 47; Mismatches 85; Indels
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05-JUL-2004 (TrEMBLrel. 27, Last sequence update)
05-JUL-2004 (TrEMBLrel. 27, Last annotation update)
Hypotheitoal protein DKFZp686A1239 (Fragment)
Name=DKFZp686A1239;
Query Match
Best Local Similarity 34.2<sup>3</sup>
Matches 76; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Conservative
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les 76; Conserv
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01-MAR-2004 (TrEMBLrel. 26, Last annotation update)
Mus musculus adult male testis cDNA, RIENE full-length enriched
11brary, clone:4930405524 product:similar to DJ889N15.1 (NOVEL PROTBIN
SIMILAR TO X. LAEVIS CORTICAL THYMOCYTE MARKER CTX).
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STRANT=C57BL/6J; TISSUB=Testis;
MEDLINE=C57BL/6J; TISSUB=Testis;
MEDLINE=20499374; PubMed=11042159; DOI=10.1101/gr.145100;
Carninci P., Shibata Y., Hayatsu N., Sugahara Y., Shibata K., Itoh M.,
Konno H., Okazaki Y., Muramatsu M., Hayashizaki Y.;
Mormalization and subtraction of cap-trapper-selected cDNAs to
prepare full-length cDNA libraries for rapid discovery of new genes.";
Genome Res. 10:1617-1630(2000).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                "Analysis of the mouse transcriptome based on functional annotation of 60,770 full-length cDNAs.";
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      STRAIN=C57BL/6J; TISSUE-Testis;
MEDLINE=99279253; PubMed=10349636; DOI=10.1016/S0076-6879(99)03004-9;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        STRAIN=CS7BL/6J; TISSUE=Testis; Adamira T., Arai A., Aono H., Adachi J., Aizawa K., Akahira S., Akimura T., Arai A., Aono H., Arakawa T., Bono H., Carninci P., Fukuda S., Fukunishi Y., Furuno M., Hanagaki T., Hara A., Hayatsu N., Hiramoto K., Hiraoka T., Hori F., Imotani K., Ishii Y., Itoh M., Izawa M., Kasukawa T., Kato H.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       STRAIN=C57BL/G1, TISSUE=Testis,
MEDLINE=C57BL/G1, TISSUE=Testis,
MEDLINE=20530913; PubMed=11076861; DOI=10.1101/gr.152600;
MEDLINE=20530913; PubMed=11076861; DOI=10.1101/gr.152600;
Shibata K., Itoh M., Aizawa K., Nagaoka S., Sasaki N., Carninci P.,
Konno H., Akiyama J., Nishi K., Kitsunai T., Tashiro H., Itoh M.,
Sumi N., Ishii Y., Nakamura S., Hazama M., Nishine T., Harada A.,
Yamamoto R., Matsumoto H., Sakaguchi S., Ikegami T., Kashiwagi K.,
Fujiwake S., Inoue K., Togawa Y., Izawa M., Ohara E., Watahiki M.,
Yoneda Y., Ishikawa T., Ozawa K., Tanaka T., Matsuura S., Kawai J.,
Okazaki Y., Muramatsu M., Inoue Y., Kira A., Hayashizaki Y.;
"RIKEN integrated sequence analysis (RISA) system-384-format
                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi,
Mammalia, Eutheria, Rodentia, Sciurognathi, Muridae, Murinae, Mus
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             "Functional annotation of a full-length mouse cDNA collection."; Nature 409:685-690(2001).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     the RIKEN Genome Exploration Research Group Phase I & II Team;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           STRAIN=CS7BL/6J; TISSUB=Testis;
MEDLINE=21085660; PubMed=11217851; DOI=10.1038/35055500;
                     176 SGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQG 217
                                                    218 TGILVIGNLTNFEQGYYQCTAINRLGNSSCEIDLTSSHPEVG 259
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Carninci P., Hayashizaki Y.;
"High-efficiency full-length cDNA cloning.";
Meth. Enzymol. 303:19-44(1999).
                                                                                                                                                                                                                                                         1-JUN-2001 (TrEMBLrel. 17, Created)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                STRAIN=C57BL/6J; TISSUE=Testis; The FANTOM Consortium,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Genome Res. 10:1757-1771(2000)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      60,770 full-length cDNAs.";
Nature 420:563-573(2002).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               RIKEN FANTOM Consortium;
                                                                                                                                                                                                           PRELIMINARY;
                                                                                                                                                                                                                                                                                                                                                                                                                      Name=4930405J24Rik;
Mus musculus (Mouse).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                SEQUENCE FROM N.A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        SEQUENCE FROM N.A.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            SEQUENCE FROM N.A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              NCBI_TaxID=10090;
                                                                                                                                                                                                        09D2J4
                                                                                                                                                       RESULT 10
                                                                                                                                                                             Q9D2J4
                                                                                                                                                                                                              RAPAR REPARTE RAPAR REPARTE RAPAR CONTRA RAP
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Kawai J., Kojima Y., Konno H., Kouda M., Koya S., Kurihara C.,
Matsuyama T., Miyazaki A., Nishi K., Nomura K., Numazaki R., Ohno M.,
Okazaki Y., Okido T., Owa C., Saito R., Sakai C., Saki K.,
A Sano H., Sasaki D., Shibata K., Shibata Y., Shinagawa A., Shiraki T.,
A Sano H., Sasaki D., Shibata K., Shibata Y., Shinagawa A., Shiraki T.,
A Sogabe Y., Suzuki H., Tagami M., Tagawa A., Takahashi F., Tanaka T.,
Tejima Y., Toya T., Yamamura T., Yasunishi A., Yoshida K., Yoshino M.,
Muramatsu M., Hayashizaki Y.;
Submitted (AUG-2000) to the EMBL/GenBank/DDBJ databases.
B EMBL, AKO19565; BAB31951; -.
R MBL, AKO19565; BAB31951; -.
R MGD, MGI:1926039; 4930405J24Rik.
R GO; GG:0016209; Cmembrane; IEA.
R InterPro; IPR00110; Ig-like.
R InterPro; IPR00110; Ig-like.
R InterPro; IPR003598; Ig-C2.
R InterPro; IPR003598; Ig-C2.
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MEDLINE=22388257; PubMed=12477932; DOI=10.1073/pnas.242603899;

MEDLINE=22388257; PubMed=12477932; DOI=10.1073/pnas.242603899;

MEDLINE=22388257; PubMed=12477932; DOI=10.1073/pnas.242603899;

METAGENER R.D., Colling F.S., Magner L., Sheamen C.M., Schuler G.D.,

Altschul S.F., Zeeberg B., Buetow K.H., Schaefer C.F., Bhat N.K.,

Diatchenko L., Marusina K.P., Farmer A.A., Rubin G.M., Hong L.,

Diatchenko L., Marusina K., Farmer A.A., Rubin G.M., Hong L.,

Brownstein M.J. Usdin T.B., Toshiyuki S., Carninci P., Prange C.,

Raha S.S., Loquellano N.A., Peters G.J., Abramson R.D., Mullahy S.J.,

Bosak S.A., McEwan P.J., McKernan K.J., Malek J.A., Gunaratne P.H.,

Richards S., Worley K.C., Hale S., Garcia A.M., Gay L.J., Hulyk S.W.,

Villalon D.K., Muzhy D.M., Sodergren E.J., Lu X., Gibbs R.A.,

Fahey J., Helton E., Ketteman M., Madan A., Rodrigues S., Sanchez A.,

Miting M., Madan A., Young A.C., Shevchenko Y., Bouffard G.G.,

Blakesley R.W., Touchman J.W., Green E.D., Dickson M.C.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              119 LVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWVRL-GTFPTPSPGSMVQDEVSG 177
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             28
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               23 VQVTIPDTFVNVTVGSNVTLLCLYTTTEKSLEKLSIQWSFFH-NKEMEEPISIYYSEGGQ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 59 LYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYLCQVNNPPDFYTNGLGLINLTV
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             oucus espiratus raumann.
Eukaryota, Herazoa, Chordata, Craniata, Vertebrata, Euteleostomi,
Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Homo.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   6
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01-MAR-2004 (TrEMBLrel. 26, Last annotation update)
Brain and testis-specific immunoglobin superfamily protein.
Name=IGSF11;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           PROSITE; PS50835; IG_LIKE; 2.
SEQUENCE 407 AA; 44014 MW; B7094F818B868680 CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  217
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             178 QLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         DB 2;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         28.6%; Score 332.5; DB 2 32.7%; Pred. No. 3.5e-18;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   41; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (TrEMBLrel. 22, Created)
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SMART; SM00408; IGC2; 1.
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les 72; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Pfam; PF00047; ig; 1.
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요 ò 셤 ઠ 쉽 ò 셤

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78 SLSGPSYKNRVTAAMSP---GNATITISNMQSQDTGIYTCEVLNLPE--SSGQGKILLTV 132
                                                                                                                                                                                                                                                                                                                                                                                                                                                  133 LVPPSVPHCSIRGAVETGHFISLLCYSEEGMPRPIYSWNRVENGLLKS-TPSQMNQQK-- 189
                                                                                                                                                                                                                                                                                                                                                                                                        119 LVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWVRL--GTFPTPSPGSMVQDSVS 176
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                9 SYSYGEPKDRITAATSP---GNASITISNMQPSDTGSYTCEVFSPQDDAGQSQKSVIVNV 135
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              59 LYPIGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYLCQVNNPPDFYTNGLGLINLTV 118
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           LVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWVRLGTFPTPSPGSMVQDEVSGQ 178
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 136 LVKPSKPFCKIEGTPBKGHLIYLLCKCDQGLPHPTYRWYKVDB-NTLTPVTEYFNPDTGI 194
                                                                                                                                                             20 VQVIIQNPIINVISGONATLYCTYILNNONKNNLVIQWNIFQAKSONQET--VFFYQNGQ 77
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       22 VVVTVPEKTVNVKTGGNATLLCTYTSSQPLG-NFF1QWSFYSAKE--SQLHTIXYYSEGQ
                                                                                      1 VEVKVPTEPLSTPLGKTAELTCTY--STSVGDSFALEWSFVQPGKPISESHPILYFTNGH
                                                                                                                                                                                                                                               59 LYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYLCQVNNPPDFYTNGLGLINLTV
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         1 VEVKVPTEPLSTPLGKTAELTCTYSTS -- VGDSFALEWSFVQPGKPISESHPILYFTNGH
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Gallus gallus (Chicken).
Ebkaryota; Metazoa, Chorata; Craniata; Verrebrata; Euteleostomi;
Archosauria; Aves; Neognathae; Galliformes; Phasianidae; Phasianinae;
            Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  SEQUENCE FROM N.A.
STRAIN=H.B19; TISSUE=Thymus;
Katevuo K.H., Boyd R., Gobel T.T., Bean A., Dunon D., Imhof B.A.,
            14;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    26.8%; Score 311.5; DB 2; Length 335; ilarity 33.5%; Pred. No. 1.3e-16; Conservative 43; Mismatches 89; Indels 9
            84; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Vainio 0.;
Submitted (JUN-1997) to the EMBL/GenBank/DDBJ databases.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1 21 Potential.
22 335 ChT1 thymocyte antigen.
335 AA; 36509 MW; AA6159598079B438 CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Last sequence update)
Last annotation update)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 177 GOLILINISLISSGIYRCVAINOMGSASCELTL 209
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               190 GSLIIGNLTDFEGYYRCTASNNLGNATCELNL 222
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            LILINISLISSGIYRCVATNOMGSASCELTLS 210
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            Mismatches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ChT1 thymocyte antigen precursor Name=ChT1;
            40;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Pfam, PF00047; 1g; 1. SMART, SM00406; 1Gv; 1. PROSITE; PS50835; 1G_LIKE; 2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               InterPro; IPR007110; Ig-like.
InterPro; IPR003596; Ig_v.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        01-MAY-2000 (TrEMBLrel. 13, 01-MAY-2000 (TrEMBLrel. 13, 01-OCT-2003 (TrEMBLrel. 25,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     EMBL; Y14064; CAA74391.1;
HSSP; P78310; 1KAC.
            Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  PRELIMINARY;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Gallus gallus (Chicken)
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nes 71; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        NCBI_TaxID=9031;
            75;
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09PWRA
AC 09PWR
DT 01-MA
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            Matches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            60 YPTGSK-SKRVSLLQNPPTVGVATLKLTDVHPSDTGTYLCQVNNPPDFYTNGLGLINLTV 118
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  LVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWVRLGTFPTPSPGSMVQDEVSGQ 178
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1 VEVKVPTEPLSTPLGKTAELTCTYSTSVG-DSFALEWSFVQPGKPISESHPILYFTNGHL 59
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             22 LEVSESPGSIQVARGQTAVLPCTFTTSAALINLNVIW-MYTPLSNANQPEQVILYQGGQM 80
Rodriguez A.C., Grimwood J., Schmutz J., Myers R.M., Butterfield Y.S., Krzywinski M.I., Skalska U., Smailus D.E., Schnerch A., Schein J.E., Jones S.J., Marra M.A.; Generation and initial analysis of more than 15,000 full-length human and mouse CDNA sequences.";
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi,
Amphibia, Batrachia, Anura, Mesobatrachia, Pipoldea, Pipidae,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Chretien I., Robert J., Marcuz A., Garcia-Sanz J.A., Courtet M.,
Du Pasquier L.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ð
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Eur. J. Immunol. 26:780-791(1996).
EMBL: U43130; AAC58999.1; -.
HSSP; P78310; IXAC.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Indels
                                                                                                                                                                                                                                                                                                                                                       Strausberg R., Submitted (JUL-2002) to the EMBL/GenBank/DDBJ databases
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         InterPro; IPR007110; Ig-like.
InterPro; IPR003598; Ig_c2.
Pfam; PF00047; ig; 1.
PROSTTE; PS50835; IG_LIKE; 2.
SEQUENCE 430 AA; 46245 MW; E53FC71BC10D049D CRC64;
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SMART; SM00409; IG; 2.
PROSITE; PS50935; IG LIKE; 2.
SEQUENCE 318 AA; 34429 MW; 6231D24B0B806C09 CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             01-NOV-1996 (TrEMBLrel. 01, Created)
01-NOV-1996 (TrEMBLrel. 01, Last sequence update)
01-OCT-2003 (TrEMBLrel. 25, Last annotation update)
                                                                                                                                                                                                  Proc. Natl. Acad. Sci. U.S.A. 99:16899-16903(2002)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          28.3%; Score 329.5; DB 2; 34.7%; Pred. No. 6.5e-18; ive 35; Mismatches 101;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      179 LILITNISLTSSGTYRCVATNOMGSASCELTLSVTEP 214
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    27.1%; Score 316; DB 2; 35.2%; Pred. No. 5.3e-17;
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STRAIN=ff; TISSUE=Thymus;
MEDLINE=96210130; PubMed=8625968;
                                                                                                                                                                                                                                                                                                                                                                                                                                         EMBL; BC034411; AAH34411.1;
HSSP; P78310; 1EAJ.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Genew; HGNC:16669; IGSF11.
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Best Local Similarity
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TISSUE=Brain;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          79 SYSYGEFKDRITAATSP---GNASITISNMQPSDTGSYTCEVFSPQDDAGQSQKSVIVNV 135
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   LVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWVRLGTPPTPSPGSMVQDEVSGQ 178
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                22 VVVTVPEKTVNVKTGGNATLLCTYTSSQPLG-NFFLQMSFYSAKE--SQLHTIYYYSEGQ
                                                                                                      Name-Chij
Gallus gallus (Chicken)
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Archosauria; Aves; Neognathae; Galliformes; Phasianidae; Phasianinae;
Gallus.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1 VEVKVPTEPLSTPLGKTAELTCTYSTS--VGDSFALEWSFVQPGKPISESHPILYFTNGH
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Gallus gallus (Chicken).
Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi,
Archosauria, Aves, Neognathae, Galliformes, Phasianidae, Phasianinae,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Gaps
                                                                                                                                                                                                               SEQUENCE FROM N.A.
STRAIN=RPRL line 0; TISSUE=Thymus;
Katevuo K.H., Boyd R., Gobel T.T., Bean A., Dunon D., Imhof B.A.,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Indels
                                                                                                                                                                                                                                                             vainio O.; Submitted (JUN-1997) to the EMBL/GenBank/DDBJ databases. EMBL; Y14063; CAA74390.1; -. HSSP, P78310; IXAC. InterPro; IPR007110; Ig-11ke. InterPro; IPR003596; Ig-v. Pfam; PF00047; ig, 1. SMART; SM00406; IGv; 1.
                                                                                                                                                                                                                                                                                                                                                                                                                    1 21 Potential.
22 335 ChTl thymocyte antigen.
335.AA; 36553 MW; AA640C5CD02CB16D CRC64;
                                                            1-MAY-1999 (TrEMBLrel. 10, Last sequence update)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 01-MAY-1999 (TrEMBLrel. 10, Created)
01-MAY-1999 (TrEMBLrel. 10, Last sequence update)
01-OCT-2003 (TrEMBLrel. 25, Last annotation update)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                / Match 26.8%; Score 311.5; DB 2; Local Similarity 33.5%; Pred. No. 1.3e-16; les 71; Conservative 43; Mismatches 89;
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                   335
                                               Created)
                   PRT;
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                                                                                         ChIl thymocyte antigen precursor.
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                                            01-MAY-1999 (TrEMBLrel. 10, 01-MAY-1999 (TrEMBLrel. 10,
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               PRELIMINARY;
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                                                                                                                                                                                    NCBI_TaxID=9031;
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                                 Q9YGH1;
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Matches
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59 LYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYLCQVNNPPDFYTNGLGLINLTV 118
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                                                                                                                                                                                                                                                                                                                                                              1 VEVKVPTEPLSTPLGKTAELTCTYSTS - VGDSFALEWSFVQPGKPISESHPILYFTNGH
                                                                                                                                                                                                                                                                                                               6
                                                                                                                                                                                                                                                             Length 335;
Bur. J. Immunol. 28:4094-4104(1998).

EMBL; APG61023; AAD17523.1; -.

HSSP; P78310; IRAG.

InterPro; IPR007110; Ig-like.

InterPro; IPR003596; Ig_v.

Pfam; PR00047; ig; 1.

SMART; SMO0406; IGv; 1.

PROSITE; PS0835; IGv; 1.

PROSITE; PS0835; IG LIKE; 2.

SEQUENCE 335 AA; 36561 MW; 071A313C3CE6DCA0 CRC64;
                                                                                                                                                                                                                                                             DB 2;
                                                                                                                                                                                                                                                       26.1%; Score 303.5; DB 2
33.0%; Pred. No. 5.5e-16;
ive 43; Mismatches 90
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   179 LILTNISLTSSGTYRCVATNQMGSASCELTIS 210 | : | | : : | | | | : : | | | : : | | | : 195 LYIGNLTTFETGHYRCIASNIMGNSTCELDUT 226
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Job time : 62.3592 secs
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24 VEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWSFVQPGKPISESHPILYFTNGHLY
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US-10-216-159A-236
US-10-218-843-236
US-10-227-883-236
US-10-227-883-236
US-10-230-0434-236
US-10-230-0434-236
US-10-230-043-236
US-10-219-075-236
US-10-219-464-236
US-10-219-464-236
US-10-219-464-236
US-10-219-468-236
US-10-232-233-236
US-10-219-556-236
US-10-219-556-236
US-10-219-556-236
US-10-219-536-236
US-10-219-536-236
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US-10-219-536-236
US-10-219-536-236
US-10-219-528-236
US-10-219-336-236
US-10-227-881-236
US-10-227-881-236
US-10-237-882-236
US-10-237-282-236
US-10-237-282-236
US-10-237-225-236
US-10-232-225-236
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Sequence 98, Application US/09820893
Fatent No. US20020076705A1
GRENEAL INFORMATION:
APPLICANT: Rosen et al.
TITLE OF INVENTION: 31 Human Secreted Proteins
FILE REPERBNCE: PZ033P1
CURRENT APPLICATION NUMBER: US/09/820,893
CURRENT FILING DATE: 2000-03-20
PRIOR PILING DATE: 1998-10-02
PRIOR PILING DATE: 1998-10-02
PRIOR FILING DATE: 1998-10-02
PRIOR FILING DATE: 1998-10-02
SOFTWARE: PatentIn Ver: 2.0
SEQ ID NO 98
LENGTH: 245
                                                                                                                                                                                                                                                                                                                                                                                                                                                   ALIGNMENTS
 ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
Best Local Similarity
 US-09-820-893-98
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Sequence 83, Appl
Sequence 236, App
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Sequence 98, Appl
                                                                                               (without alignments)
1447.018 Million cell updates/sec
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1 VEVKVPTEPLSTPLGKTAEL.....ASCELTLSVTEPSQGRVAEL 222
                                                                                 August 4, 2005, 06:13:42; Search time 59.8944 Seconds
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| Cgn2_6/ptodata/1/pubpaa/US07_NEW_PUB.ppp:*
| Cgn2_6/ptodata/1/pubpaa/US06_NEW_PUB.ppp:*
| Cgn2_6/ptodata/1/pubpaa/US06_PUBCOMB.ppp:*
| Cgn2_6/ptodata/1/pubpaa/US07_NEW_PUB.ppp:*
| Cgn2_6/ptodata/1/pubpaa/US08_PUBCOMB.ppp:*
| Cgn2_6/ptodata/1/pubpaa/US08_PUBCOMB.ppp:*
| Cgn2_6/ptodata/1/pubpaa/US08_PUBCOMB.ppp:*
| Cgn2_6/ptodata/1/pubpaa/US08_PUBCOMB.ppp:*
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| Cgn2_6/ptodata/1/pubpaa/US09_PUBCOMB.ppp:*
| Cgn2_6/ptodata/1/pubpaa/US09_PUBCOMB.ppp:*
| Cgn2_6/ptodata/1/pubpaa/US10B_PUBCOMB.ppp:*
| Cgn2_6/ptodata/1/pubpaa/US11B_W_PUB.ppp:*
| Cgn2_6/ptodata/1/pubpaa/USS0_PUBCOWB.ppp:*
| Cgn2_6/ptodata/1/pubpaa/USS0_PUBCOWB.ppp:*
            GenCore version 5.1.6
Copyright (c) 1993 - 2005 Compugen Ltd.
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US-10-607-565-98

US-09-820-893-83

US-10-607-565-83

US-10-443-108-4

US-10-230-188-236

US-10-230-338-236

US-10-230-338-236

US-10-230-414-236

US-10-230-414-236
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Maximum Match 100%
Listing first 45 summaries
                                                          - protein search, using sw model
                                                                                                                                                                                               Gapop 10.0 , Gapext 0.5
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Maximum DB seq length: 200000000
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Match 1
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1164
1164
11164
11155
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11155
11155
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83

Gaps

; 0

Result No.

2643978611

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84 PTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYLCQVNNPPDFYTNGLGLINLTVLV 143
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TITLE OF INVENTION: 31 Human Secreted Proteins
FILE REFERENCE: P2033P1
CURRENT APPLICATION NUMBER: US/10/607,565
CURRENT FILING DATE: 2003-06-27
PRIOR APPLICATION NUMBER: US/09/531,119
PRIOR FILING DATE: 2000-03-20
PRIOR PILING DATE: EARLIER APPLICATION NUMBER: 60/101,546
PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/102,895
PRIOR APPLICATION NUMBER: EARLIER FILING DATE: 1998-09-03
PRIOR APPLICATION NUMBER: EARLIER FILING DATE: 1998-10-02
NUMBER OF SEQ ID NOS: 140
SEQ ID NO 83: 140
SEQ ID NO 83: 140
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                                                                                                                                                  Query Match 100.0%; Score 1164; DB 9; Best Local Similarity 100.0%; Pred. No. 1.8e-88; Matches 222; Conservative 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ; LOCATION: (246)
; OTHER INFORMATION: Xaa equals stop translation
US-10-607-565-83
                    FEATURE:
NAME/KEY: SITE
LOCATION: (246)
COTHER INFORMATION: Xaa equals stop translation US-09-820-893-83
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    US-10-607-565-83
. Sequence 83. Application US/10607565
. Publication No. US20040048294A1
. GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TYPE: PRT
ORGANISM: Homo sapiens
      ORGANISM: Homo sapiens
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NAME/KEY: SITE
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24 VEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWSFVQPGKPISESHPILYFTNGHLY
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                                                                                                                                                                                                                           Sequence 98, Application US/10607565;
Publication No. US20040048294A1
GENERAL INFORMATION:
APPLICAMIN S.
TITLE OF INVENTION: 31 Human Secreted Proteins
FILE REFERENCE: PZ033P1
CURRENT APPLICATION NUMBER: US/10/607,565
CURRENT PILING DATE: 2003-06-27
PRIOR APPLICATION NUMBER: US/09/531,119
PRIOR APPLICATION NUMBER: BARLIER APPLICATION NUMBER: 60/101,546
PRIOR PILING DATE: EARLIER FILING DATE: 1998-09-23
PRIOR PILING DATE: BARLIER FILING DATE: 1998-09-23
PRIOR PILING DATE: BARLIER FILING DATE: 1998-10-02
NUMBER: OF SEQ ID NOS: 140
SEQ ID NO 98
LENGTH: 245
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                                                                                                              204 LINLSLISSGTYRCVAINQMGSASCELILSVTEPSQGRVAEL 245
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; Pred. No. 1.7e-88;
0; Mismatches 0;
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| Patent No. US20020076705A1
| GENERAL INFORMATION:
| APPLICANT: Rosen et al.
| TITLE OF INVENTION: 31 Human Secreted Proteins
| FILE REPERENCE: PS03391
| CURRENT APPLICATION NUMBER: US/09/820,893
| CURRENT FILING DATE: 2001-03-30
| PRIOR APPLICATION NUMBER: 60/102,895
| PRIOR APPLICATION NUMBER: 60/102,895
| PRIOR FILING DATE: 1998-10-02
| NUMBER OF SEQ ID NOS: 140
| SOFTWARE: Patentin Ver: 2.0
| SEQ ID NO 83
| LENGTH: 246
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Best Local Similarity 100.
Matches 222; Conservative
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CORGANISM: Homo sapiens
US-10-607-565-98
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PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/06287
PRIOR PLILING DATE: 1997-10-27
PRIOR FILING DATE: 1997-10-21
PRIOR FILING DATE: 1997-10-23
PRIOR PLILING DATE: 1997-10-23
PRIOR PLILING DATE: 1997-10-21
PRIOR PLILING DATE: 1997-10-21
PRIOR PLILING DATE: 1997-10-20
PRIOR PLILING DATE: 1997-10-20
PRIOR PLILING DATE: 1998-03-25
PRIOR PLILING DATE: 1998-03-25
PRIOR PLILING DATE: 1998-03-25
PRIOR PLILING DATE: 1998-03-27
PRIOR PLILING DATE: 1998-03-27
PRIOR PLILING DATE: 1998-03-27
PRIOR PLILING DATE: 1998-04-15
PRIOR PLILING DATE: 1998-05-22
PRIOR PLILING DATE: 1998-05-12
PRIOR PLILING DATE: 1998-05-12
PRIOR PLILING DATE: 1998-05-12
PRIOR PLILING DATE: 1998-06-17
PRIOR PLILING DATE: 1998-08-10
PRIOR PLILING DATE: 1998-08-10
PRIOR PLILING DATE: 1998-09-10
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APPLICANT: Godowski, Paul J.
APPLICANT: Gurnaldi, J. Christopher
APPLICANT: Gurney, Austin L.
APPLICANT: Smith, Victoria
APPLICANT: Stephan, Jean-Philippe F.
APPLICANT: Wachanbe, Colin L.
APPLICANT: Wood, William I.
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
TITLE OF INVENTION: ACIDS ENCODING THE SAME
FILE REFRENCES: P353091C79
CURRENT APPLICATION NUMBER: 105/10/227,884
CURRENT FILING DATE: 2002-08-26
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                                                                                                                                               Sequence 4, Application US/10443108
Sequence 4, Application US/10443108
Sequence 4, Application No. US20040005615A1
SEQUENCE INFORMATION:
APPLICANT: HO, DAVID
APPLICANT: MO, DAVID
APPLICANT: MO, DAVID
APPLICANT: MO, DAVID
SETTLE OF INVENTION: AMPLIFICATION AND OVEREXPRESSION OF ONCOGENES
FILE REPERENCE: 38002-0049
CURRENT APPLICATION NUMBER: US/10/443,108
CURRENT APPLICATION NUMBER: 60/398,099
PRIOR PILING DATE: 2002-07-25
PRIOR PELING DATE: 2002-07-25
PRIOR PILING DATE: 2002-07-25
NUMBER OF SEQ ID NOS: 90
SOFTWARE: PATENTIN VOY: 2.1
SEQ ID NO 4
LENGTH: 326
TYPE: PRI
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204 LINLSLISSGTYRCVATNOMGSASCELTLSVTEPSQGRVAEL 245
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           LINLSLISSGIYRCVATNOMGSASCELTLSVTEPSOGRVA 220
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match 99.2%; Score 1155; DB 15; Best Local Similarity 100.0%; Pred. No. 1.4e-87; Matches 220; Conservative 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     CURRENT FILING DATE: 2002-08-26
PRIOR APPLICATION NUMBER: 10/119,480
PRIOR FILING DATE: 2002-04-09
PRIOR APPLICATION NUMBER: 60/059113
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APPLICANT: Desnoyers, Luc
APPLICANT: Gerritsen, Mary
APPLICANT: Goddard, Audrey
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence 236, Application No. US20 GENERAL INFORMATION:
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APPLICANT:
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R APPLICATION NUMBER: 60/113605
R FILING DATE: 1998-12-23
R FILING DATE: 1998-12-23
R FILING DATE: 1998-12-23
R APPLICATION NUMBER: 60/113621
R FILING DATE: 1999-01-12
R FILING DATE: 1999-01-12
R FILING DATE: 1999-01-12
R APPLICATION NUMBER: 60/115565
R FILING DATE: 1999-01-12
R APPLICATION NUMBER: 60/11549
R FILING DATE: 1999-02-10
R FILING DATE: 1999-02-10
R APPLICATION NUMBER: 60/12618
R FILING DATE: 1999-03-19
R FILING DATE: 1999-03-19
R APPLICATION NUMBER: 60/12529
R FILING DATE: 1999-03-19
R FILING DATE: 1999-03-19
R APPLICATION NUMBER: 60/12575
R FILING DATE: 1999-03-23
R APPLICATION NUMBER: 60/12575
R FILING DATE: 1999-03-23
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R PAPLICATION NUMBER: 60/101922

R FILING DATE: 1998-09-24

R APPLICATION NUMBER: 60/106178

R APPLICATION NUMBER: 60/106278

R APPLICATION NUMBER: 60/106248

R APPLICATION NUMBER: 60/106248
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R FILING DATE: 1998-10-30
R APPLICATION NUMBER: 60/106905
R FILING DATE: 1998-11-03
R FILING DATE: 1998-11-17
R FILING DATE: 1998-11-17
R APPLICATION NUMBER: 60/108801
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R APPLICATION NUMBER: 60/108849
R FILING DATE: 1998-11-18
R APPLICATION NUMBER: 60/112422
R FILING DATE: 1998-12-15
R APPLICATION NUMBER: 60/113296
R FILING DATE: 1998-12-22
                       R FILING DATE: 1998-09-11
R APPLICATION NUMBER: 60/100385
R FILING DATE: 1998-09-15
R APPLICATION NUMBER: 60/100390
R FILING DATE: 1998-09-15
R APPLICATION NUMBER: 60/100627
R FILING DATE: 1998-09-16
                                                                                                                                                                                                                                                                              APPLICATION NUMBER: 60/100919
FILING DATE: 1998-09-17
APPLICATION NUMBER: 60/101477
FILING DATE: 1998-09-23
APPLICATION NUMBER: 60/101738
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APPLICATION UNDHER: 60/101741
FILING DATE: 1998-09-24
APPLICATION NUMBER: 60/101786
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APPLICATION NUMBER: 60/131291
FILING DATE: 1999-04-27
APPLICATION NUMBER: 60/131445
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FILING DATE: 1998-09-18
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APPLICATION NUMBER: 60/101916
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APPLICATION NUMBER: 60/127887
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APPLICATION NUMBER: 60/130232
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FILING DATE: 1999-04-26
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RRIEDA HERRITOR REPRESENTATION OF PRINCIPLE STREET, ST
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PIGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYLCQVNNPPDFYTNGLGLINLTVLV 143
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APPLICANT: Watanabe, Colin L.
APPLICANT: Wood, William I.
APPLICANT: Wood, William I.
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC TITLE OF INVENTION: ACIDS ENCODING THE SAME PILLE REFERENCE: P3530P1C96
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         24 VEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWSFVQPGKPISESHPILYFTNGHLY
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99.2%; Score 1155; DB 14.
Best Local Similarity 100.0%; Pred. No. 1.4e-87.
Matches 220; Conservative 0; Mismatches 0.
PRIOR FILING DATE: 1999-04-28

PRIOR APPLICATION NUMBER: 60/134287

PRIOR PLING DATE: 1999-05-14

PRIOR PLING DATE: 1999-05-12

PRIOR PELING DATE: 1999-06-22

PRIOR PELING DATE: 1999-06-22

PRIOR PELING DATE: 1999-06-22

PRIOR PELING DATE: 1999-06-23

PRIOR PELING DATE: 1999-06-23

PRIOR APPLICATION NUMBER: 60/14078

PRIOR PELING DATE: 1999-07-26

PRIOR PILING DATE: 1999-07-26

PRIOR PELING DATE: 1999-07-26

PRIOR PELING DATE: 1999-07-26

PRIOR PELING DATE: 1999-08-17

PRIOR PELING DATE: 1999-10-109

PRIOR PELING DATE: 1999-11-09

PRIOR PELING DATE: 1999-11-09

PRIOR PELING DATE: 1999-11-06

PRIOR PELING DATE: 1999-11-06

PRIOR PELING DATE: 1999-12-07

PRIOR PELING DATE: 1999-12-07
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Godowski, Paul J.
Grimaldi, J. Christopher
Gurney, Austin L.
Smith, Victoria
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APPLICANT: Beenovers, Luc
APPLICANT: Gerritsen, Mary
APPLICANT: Goddard, Addrey
APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, J. Chri
APPLICANT: Gurney, Austin L.
APPLICANT: Smith, Victoria
APPLICANT: Scephan, Jean-Phi
APPLICANT: Matanabe, Jean-Phi
APPLICANT: Wood, William I.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   US-10-230-163-236
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CURRENT APPLICATION NUMBER: US/10/230,163
CURRENT FILING DATE: 2002-06-28
FRIOR PELICATION NUMBER: US/10/19,400
FRIOR PELICATION NUMBER: US/10/19,400
FRIOR PELICATION NUMBER: US/10/19,400
FRIOR PELICATION NUMBER: US/00/05131
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A APPLICATION NUMBER: 60/099812
R FILING DATE: 1998-09-10
R APPLICATION NUMBER: 60/099816
R FILING DATE: 1998-09-10
R APPLICATION NUMBER: 60/100038
R FILING DATE: 1998-09-11 R FILING DATE: 1998-09-16

R APPLICATION NUMBER: 60/100848

R FILING DATE: 1998-09-18

R APPLICATION NUMBER: 60/100919

R FILING DATE: 1998-09-17

R APPLICATION NUMBER: 60/101477

R APPLICATION NUMBER: 60/101477

R APPLICATION NUMBER: 60/101477

R APPLICATION NUMBER: 60/101738 APPLICATION NUMBER: 60/100385 FILING DATE: 1998-09-15 FILING DATE: 1998-09-24
APPLICATION NUMBER: 60/106178
FILING DATE: 1998-10-28
APPLICATION NUMBER: 60/106248 FILING DATE: 1998-12-23
APPLICATION NUMBER: 60/115558
FILING DATE: 1999-01-12
APPLICATION NUMBER: 60/115565
FILING DATE: 1999-01-12 APPLICATION NUMBER: 60/100390 FILING DATE: 1998-09-15 APPLICATION NUMBER: 60/101786 FILING DATE: 1998-09-25 FILING DATE: 1998-10-30 APPLICATION NUMBER: 60/106905 FILING DATE: 1998-11-03 APPLICATION NUMBER: 60/100627 APPLICATION NUMBER: 60/101741 APPLICATION NUMBER: 60/101916 FILING DATE: 1998-09-24
APPLICATION NUMBER: 60/101922 APPLICATION NUMBER: 60/106464 APPLICATION NUMBER: 60/108787 FILING DATE: 1998-11-17 APPLICATION NUMBER: 60/108849 FILING DATE: 1998-11-18 APPLICATION NUMBER: 60/112422 FILING DATE: 1998-12-15 APPLICATION NUMBER: 60/113296 FILING DATE: 1998-12-22 APPLICATION NUMBER: 60/113605 FILING DATE: 1998-12-23 APPLICATION NUMBER: 60/113621 APPLICATION NUMBER: 60/115733 FILING DATE: 1999-01-12 APPLICATION NUMBER: 60/119549 FILING DATE: 1999-02-10 APPLICATION NUMBER: 60/123618 APPLICATION NUMBER: 60/125259 FILING DATE: 1999-03-19 APPLICATION NUMBER: 60/125775 FILING DATE: 1999-03-23 APPLICATION NUMBER: 60/130232 FILING DATE: 1999-04-21 APPLICATION NUMBER: 60/131022 FILING DATE: 1999-04-26 APPLICATION NUMBER: 60/108801 APPLICATION NUMBER: 60/126773 APPLICATION NUMBER: 60/127887 1998-09-10 ILING DATE: 1998-10-29 FILING DATE: 1998-11-17 'ILING DATE: 1999-03-29 'ILING DATE: 1999-04-05 FILING DATE: 1998-09-24 FILING DATE: 1999-03-10 FILING PRILICA PRILIC

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APPLICANTY: Wood, William I.A.

TITLE OF INVENTION: SECRETED J.

TITLE OF INVENTION: ACIDS ENCODING THE SAME
FILE REFERENCE: P3530P1C92

CURRENT APPLICATION NUMBER: US/10/230,338

CURRENT APPLICATION NUMBER: US/10/19,480

PRIOR APPLICATION NUMBER: 60/05913

PRIOR APPLICATION NUMBER: 60/05913

PRIOR PLING DATE: 1997-09-17

PRIOR PLING DATE: 1997-09-17

PRIOR PLING DATE: 1997-10-17

PRIOR PLING DATE: 1997-10-17

PRIOR PLING DATE: 1997-10-17

PRIOR PLING DATE: 1997-10-17

PRIOR PLING DATE: 1997-10-18

PRIOR PLING DATE: 1997-10-17

PRIOR APPLICATION NUMBER: 60/06993

PRIOR PLING DATE: 1997-10-20

PRIOR PLING DATE: 1997-10-21

PRIOR PLING DATE: 1997-10-21

PRIOR PLING DATE: 1997-10-21

PRIOR PLING DATE: 1998-03-20

PRIOR PLING DATE: 1998-03-26

PRIOR PLING DATE: 1998-03-27

PRIOR PLING DATE: 1998-03-27
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Pred. No. 1.4e-87;
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100.0%; Pred. No. ...
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APPLICANT: Deenoyers, Luc
APPLICANT: Gerritsen, Mary
APPLICANT: Goddard, Audrey
APPLICANT: Goddwski, Paul J.
APPLICANT: Grimaldi, J. Christopher
APPLICANT: Gurney, Austin L.
APPLICANT: Smith, Victoria
APPLICANT: Watanabe, Colin L.
APPLICANT: Watanabe, Colin L.
APPLICANT: Wood, William I.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ; Sequence 236, Application US/10218631; Publication No. US20030045687A1; GENERAL INFORMATION:
   Watanabe, Colin L.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match
Best Local Similarity 100.
Matches 220; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ORGANISM: Homo Sapien
US-10-230-338-236
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              PPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWVRLGTFPTPSFGSMVQDEVSGQLI 180
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              203
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Desnoyers, Luc
Gerritsen, Mary
Goddard, Audrey
Godowski, Paul J.
Grimaldi, J. Christopher
Gurney, Austin L.
Smith, Victoria
                                                                                                                                                                                                                                                                                                                             NR APPLICATION NUMBER: 60/140723

RETLING DATE: 1999-66-22

RETLING DATE: 1999-66-23

RETLING DATE: 1999-06-23

RETLING DATE: 1999-07-20

RETLING DATE: 1999-07-20

RETLING DATE: 1999-07-20

RETLING DATE: 1999-07-26

RETLING DATE: 1999-07-26

RETLING DATE: 1999-07-26

RETLING DATE: 1999-07-28

RETLING DATE: 1999-07-28

RETLING DATE: 1999-07-28

RETLING DATE: 1999-08-03

RETLING DATE: 1999-08-03

RETLING DATE: 1999-08-03
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               R FILING DATE: 1999-08-17
R APPLICATION NUMBER: 60/149638
R FILING DATE: 1999-08-17
R APPLICATION NUMBER: 60/151733
R APPLICATION NUMBER: 60/16418
R APPLICATION NUMBER: 60/16418
R FILING DATE: 1999-01-09
                                                                                           R FILING DATE: 1999-04-27

R PAPLICATION NUMBER: 60/131445

R FILING DATE: 1999-04-28

R APPLICATION NUMBER: 60/134287

R FILING DATE: 1999-05-14

R APPLICATION NUMBER: 60/140550

R FILING DATE: 1999-06-22
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; Sequence 236, Application US/10230338
; Publication No. US20030044934A1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICATION NUMBER: 60/166361
FILING DATE: 1999-11-16
APPLICATION NUMBER: 60/169445
FILING DATE: 1999-12-07
APPLICATION NUMBER: 60/169495
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             FILING DATE: 1999-12-07
APPLICATION NUMBER: 60/169835
                                   FILING DATE: 1999-04-27
APPLICATION NUMBER: 60/131291
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Desnoyers, Luc
APPLICANT: Gerriteen, Mary
APPLICANT: Goddard, Audrey
APPLICANT: Goddwski, Paul J
APPLICANT: Godwski, Paul J
APPLICANT: Grimaldi, J. Chr.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        61
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APPLICANT:
APPLICANT:
PRIOR 
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APPLICANT: Baker, Kevin P.
APPLICANT: Baker, Kevin P.
APPLICANT: Desnoyers, Luc
APPLICANT: Gerriteen, Mary
APPLICANT: Goddard, Audrey
APPLICANT: Goddwski, Paul J.
APPLICANT: Grimaldi, J. Christopher
APPLICANT: Grimaldi, J. Christopher
APPLICANT: Smith, Victoria
APPLICANT: Smith, Victoria
APPLICANT: Stephan, Jean-Philippe F.
APPLICANT: Watanabe, Colin L.
APPLICANT: Wood, William I.
TITLE OF INVENTION: ACIDS ENCODING THE SAME
TITLE OF INVENTION: ACIDS ENCODING THE SAME
TITLE OF INVENTION NUMBER: US/10/232,224
CURRENT APPLICATION NUMBER: US/10/232,224
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          61 PTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYLCQVNNPPDFYTNGLGLINLTVLV 120
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 24 VEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWSFVQPGKPISESHPILYFTNGHLY
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 246
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Length 327;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     99.2%; Score 1155; DB 14; 100.0%; Pred. No. 1.4e-87;
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                          PRIOR APPLICATION NUMBER: 10/119, 480
PRIOR FILING DATE: 2002-04-09
PRIOR FILING DATE: 1997-09-17
PRIOR PELING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/062287
PRIOR APPLICATION NUMBER: 60/063549
PRIOR FILING DATE: 1997-10-17
PRIOR APPLICATION NUMBER: 60/063410
PRIOR PILING DATE: 1997-10-31
PRIOR PELING DATE: 1997-10-31
PRIOR PELING DATE: 1997-10-31
PRIOR APPLICATION NUMBER: 60/06973
PRIOR PELING DATE: 1997-12-17
PRIOR APPLICATION NUMBER: 60/079910
PRIOR PELING DATE: 1998-03-25
PRIOR PILING DATE: 1998-03-25
PRIOR PILING DATE: 1998-03-25
PRIOR PILING DATE: 1998-03-26
PRIOR PILING DATE: 1998-03-26
PRIOR FILING DATE: 1998-03-26
PRIOR PILING DATE: 1998-03-26
PRIOR FILING DATE: 1998-03-26
PRIOR PELING DATE: 1998-03-26
PRIOR FILING DATE: 1998-03-26
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PRIOR APPLICATION NUMBER: 10/119,480
PRIOR FILING DATE: 2002-04-09
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TYPE: PRT
ORGANISM: Homo Sapien
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      US-10-230-414-236
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Publication No. US20030050448A1
GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Desnoyers, Luc
APPLICANT: Gerifteen, Mary
APPLICANT: Godowski, Paul J.
APPLICANT: Grimadi, J. Christopher
APPLICANT: Swith, Victoria
APPLICANT: Stephan, Jean-Philippe F.
APPLICANT: Wood, William I.
TITLE OF INVENTION: ACIDS ENCODING THE SAME
TITLE OF INVENTION: ACIDS
TITLE OF INVENTION: ACIDS
CURRENT APPLICATION NUMBER: US/10/230,414
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      FILE PEREBRUCE: P9530P1C14

CURRENT APPLICATION: ACLIDS ENCODING THE SAME
CURRENT APPLICATION NUMBER: US/10/218,631

CURRENT APPLICATION NUMBER: US/10/19,480

PRIOR PILING DATE: 2002-08-12

PRIOR PILING DATE: 1997-09-17

PRIOR PILING DATE: 1997-09-17

PRIOR PILING DATE: 1997-10-17

PRIOR PILING DATE: 1997-10-17

PRIOR PILING DATE: 1997-10-31

PRIOR PILING DATE: 1997-12-17

PRIOR PILING DATE: 1998-03-26

PRIOR PILING DATE: 1998-03-27

PRIOR PILING DATE: 1998-03-26

PRIOR PILING DATE: 1998-03-27
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match 99.2%; Score 1155; DB 14; Best Local Similarity 100.0%; Pred. No. 1.4e-87; Matches 220; Conservative 0; Mismatches 0;
TITLE OF INVENTION: ACIDS ENCODING THE SAME
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ORGANISM: Homo Sapien
US-10-218-631-236
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LENGTH: 327
TYPE: PRT
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; Sequence 236, Application US/10218849; Publication No. US20030073814A1; GENERAL INFORMATION:
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CORGANISM: Homo Sapien
US-10-216-159A-236
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; ORGANISM: Homo Sapien
US-10-218-849-236
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LENGTH: 327
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Sequence 236, Application US/10216159A

Publication No. US20030069397A1

GENERAL INPORMATION:

APPLICANT: Baker, Kevin P.

APPLICANT: Geristen, Mary

APPLICANT: Goddward, Audrey

APPLICANT: Goddward, Puctoria

APPLICANT: Grimaldi, J. Christopher

APPLICANT: Grimaldi, J. Christopher

APPLICANT: Grimaldi, J. Christopher

APPLICANT: Grimaldi, J. Christopher

APPLICANT: Stephan, Jean-Philippe F.

APPLICANT: Stephan, Jean-Philippe F.

APPLICANT: Wood, William I.

APPLICANT: Watanabe, Colin L.

APPLICANT: Watanabe, Colin L.

APPLICANT: Watanabe, Colin L.

APPLICANT: Watanabe, Colin L.

APPLICANT: Wood, William I.

TITLE OF INVENTION: ACIDS ENCODING THE SAME

FILE REFERENCE: P3530PLG

CURRENT APPLICATION NUMBER: 10/119,480

PRIOR APPLICATION NUMBER: 10/119,480

PRIOR APPLICATION NUMBER: 60/052113

PRIOR FILING DATE: 1997-09-17

PRIOR APPLICATION NUMBER: 60/062287
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PRIOR APPLICATION NUMBER: 60/059113
PRIOR FILING DATE: 1997-09-17
PRIOR FILING DATE: 1997-09-17
PRIOR FILING DATE: 1997-10-18
PRIOR FILING DATE: 1997-10-28
PRIOR FILING DATE: 1997-10-28
PRIOR PILING DATE: 1997-10-31
PRIOR FILING DATE: 1997-10-31
PRIOR FILING DATE: 1997-10-31
PRIOR PILING DATE: 1997-12-17
PRIOR PLICATION NUMBER: 60/069873
PRIOR PLICATION NUMBER: 60/078910
PRIOR PLICATION NUMBER: 60/078910
PRIOR PLING DATE: 1998-03-20
PRIOR PLING DATE: 1998-03-26
PRIOR PLING DATE: 327
Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER 06 SEQ ID NOS: 246
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100.0%; Pred. No. 1.4e-87;
tive 0; Mismatches 0;
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Best Local Similarity 100.
Matches 220, Conservative
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ORGANISM: Homo Sapien
US-10-232-224-236
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US-10-216-159A-236
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APPLICANT: Baker, Kevin P.
APPLICANT: Baker, Kevin P.
APPLICANT: Baker, Mary
APPLICANT: Geritlean, Mary
APPLICANT: Geritlean, Mary
APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, J. Christopher
APPLICANT: Grimaldi, J. Christopher
APPLICANT: Gurney, Austin L.
APPLICANT: Stephan, Jean-Philippe F.
APPLICANT: Stephan, Jean-Philippe F.
APPLICANT: Stephan, Jean-Philippe F.
APPLICANT: Stephan, Jean-Philippe F.
APPLICANT: Mactanabe, Colin L.
APPLICANT: ACOME SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
TITLE OF INVENTION: ACIDE ENCODING THE SAME
FILE REFERENCE: P3530P1C11
CURRENT APPLICATION NUMBER: US/10/218,849
CURRENT APPLICATION NUMBER: US/10/218,849
CURRENT APPLICATION NUMBER: US/10/218,849
FILO APPLICATION NUMBER: US/10/218,849
STOLIN APPLICATION NUMBER: US/10/218,849
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PRIOR APPLICATION UNDER: 60/063549
PRIOR FILING DATE: 1997-10-28
PRIOR PELING DATE: 1997-10-28
PRIOR PELING DATE: 1997-10-28
PRIOR PELING DATE: 1997-10-31
PRIOR APPLICATION NUMBER: 60/06993
PRIOR PILING DATE: 1997-12-17
PRIOR APPLICATION NUMBER: 60/079910
PRIOR PILING DATE: 1998-03-26
PRIOR PILING DATE: 1998-03-25
PRIOR APPLICATION NUMBER: 60/07956
PRIOR APPLICATION NUMBER: 60/07956
PRIOR PILING DATE: 1998-03-26
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PRIOR FILING DATE: 1998-05-15
PRIOR APPLICATION NUMBER: 60/08532
PRIOR APPLICATION NUMBER: 60/08532
PRIOR PLILING DATE: 1998-06-17
PRIOR PLILING DATE: 1998-06-18
PRIOR PLILING DATE: 1998-06-25
PRIOR PLILING DATE: 1998-06-10
PRIOR PLILING DATE: 1998-09-10
PRIOR PLILING DATE: 1998-09-12
PRIOR PLILING DATE: 1998-09-13
PRIOR PLILING DATE: 1998-09-13
PRIOR PLILING DATE: 1998-09-13
PRIOR PLILING DATE: 1998-09-13
PRIOR PLILING DATE: 1998-09-25
PRIOR PLILING DATE: 1998-09-24
PRIOR PLILING DATE: 1998-09-25
PRIOR PLILING DATE: 1998-09-25
PRIOR PLILING DATE: 1998-09-25
PRIOR PLILING DATE: 1998-09-25
PRIOR PLILING DATE: 1998
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PRIOR PELICATION NUMBER: 05/05913

PRIOR PELICATION NUMBER: 05/05913

PRIOR PELICATION NUMBER: 05/05913

PRIOR PELICATION NUMBER: 06/05913

PRIOR PELICATION NUMBER: 06/05913

PRIOR PELICATION NUMBER: 06/05913

PRIOR PELICATION NUMBER: 06/059349

PRIOR PELICATION NUMBER: 06/06389

PRIOR PELICATION NUMBER: 06/06389

PRIOR PELICATION NUMBER: 06/069893

PRIOR PELICATION NUMBER: 06/069813

PRIOR PELICATION NUMBER: 06/069813

PRIOR PELICATION NUMBER: 06/069813

PRIOR PELICATION NUMBER: 06/069813

PRIOR PELICATION NUMBER: 06/079294

PRIOR PELICATION NUMBER: 06/089323

PRIOR PELICATION NUMBER: 06/089323

PRIOR PELICATION NUMBER: 06/089323

PRIOR PELICATION NUMBER: 06/089323

PRIOR PELICATION NUMBER: 06/089579
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           Length 327;
                                                                Indels
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        99.2%; Score 1155; DB 14; 100.0%; Pred. No. 1.4e-87;
                             100.0%; Pred ....
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US-10-227-873-236
i Sequence 236, Application US/10227873
i Publication No. US20030073816A1
i GENERAL INFORMATION:
i APPLICANT: Baker, Kevin P.
i APPLICANT: Desnoyers, Luc
aPPLICANT: Gerriteen, Mary
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Godowski, Paul J.
Grimaldi, J. Christopher
Gurney, Austin L.
Smith, Victoria
Stephan, Jean-Philippe F.
Watanabe, Colin L.
        Query Match
Best Local Similarity 100.
Matches 220; Conservative
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APPLICANT:
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APPLICANT: GodGarKi, Paul J.
APPLICANT: GodGarKi, Paul J.
APPLICANT: GodGarKi, Paul J.
APPLICANT: Grimaldi, J. Christopher
APPLICANT: Grimaldi, J. Christopher
APPLICANT: Grimaldi, J. Christopher
APPLICANT: Satth, Victoria
APPLICANT: Satth, Victoria
APPLICANT: Matanabe, Colin L.
APPLICANT: Watanabe, Colin L.
APPLICANT: WATANABER: US/10/27, 883
CURRENT APPLICATION WWBER: US/10/27, 883
CURRENT APPLICATION WWBER: 60/06287
PRIOR FILING DATE: 1997-09-7
PRIOR PELICATION WWBER: 60/06893
PRIOR PELICATION WWBER: 60/064103
PRIOR APPLICATION WWBER: 60/079294
PRIOR FILING DATE: 1998-03-26
PRIOR FILING DATE: 1998-03-26
PRIOR FILING DATE: 1998-03-26
PRIOR FILING DATE: 1998-03-26
PRIOR APPLICATION WWBER: 60/07956
PRIOR APPLICATION WWBER: 60/07956
PRIOR FILING DATE: 1998-03-26
PRIOR APPLICATION WWBER: 60/07956
PRIOR FILING DATE: 1998-03-26
PRIOR FILING DATE: 1998-03-26
PRIOR PRILING DATE: 1998-03-26
PRIOR FILING DATE: 1998-04-25
PRIOR FILING DATE: 1998-04-25
PRIOR FILING DATE: 1998-04-22
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Pred. No. 1.4e-87;
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; Publication No. US20030073817A1
; GENERAL INFORMATION:
PRIOR FILING DATE: 1999-12-07
PRIOR APPLICATION WUMBER: 60/169495
PRIOR FILING DATE: 1999-12-07
PRIOR APPLICATION NUMBER: 60/169835
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Best Local Similarity 100.
Matches 220; Conservative
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US-10-227-883-236
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The polynucleotide sequences given in AAA39052 to AAA39088 encode the human secreted proteins given in AAB08891 to AAB08984. The human secreted proteins can have activities based on the tissues and cells they are expressed in. Examples of the activities are: cytostatic; antiporoliferative; immunosuppressive; antibacterial; and vulnerary. The prolliferative protein and their related polynucleotide sequences are useful for diagnostic and therapeutic methods useful for diagnostic and the secreted proteins. The proteins, and
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ss GA, Soppet DR;
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Copyright (c) 1993 - 2005 Compugen Ltd.
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polynucleotide sequences may be useful for treating disorders of the immune system, hyperproliferative disorders, infectious disease, regeneration of tissues, for chemotaxis and for screening molecules that bind to the proteins. The proteins or polynucleotide sequences may be used as food additives or preservatives, to increase or decrease storage capabilities, fat content, lipid, protein, carbohydrate, vitamins, minerals, co-factors or other nutritional components. Agonists or antagonists of the proteins may be used to prevent scar tissue growth during mound healing, and hyper-yascular diseases. AAA39043 to AAA39051
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Pred. No. 2e-81;
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Soppet DR;
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proliferative; immunosuppressive; antibacterial; and vulnerary. The secreted proteins and their related polynucleoride sequences are useful for diagnostic and their related polynucleoride sequences are useful for diagnostic and therapeutic methods useful for diagnosting and treating disorders related to the secreted proteins. The proteins, and of colynucleoride sequences may be useful for treating disorders of the immune system, hyperproliferative disorders, infectious disease, regeneration of tissues, for chemotaxis and for screening molecules that bind to the proteins. The proteins or polynucleotide sequences may be used as food additives or preservatives, to increase or decrease storage capabilities, fat content, lipid, protein, carbohydrate, vitamins, minerals, co-factors or other nutritional components. Agonists or antagonists of the proteins may be used to prevent scar tissue growth during wound healing, and hyper-vascular diseases. AAA39031 to AAA39051
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                  Claim 11; Page 376-377; 416pp; English.
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The present sequence is the protein sequence of human corticol thymocyte receptor (Xenopus laevis cts)-like (CTXL), previously known as a corticol receptor (Xenopus laevis cts)-like (CTXL), previously known as a corticol thymocyte marker in frogs, and a member of the immunoglobulin superfamily having features of both antigen-specific receptors and adhesion (C having features of both antigen-specific receptors and adhesion (C cTXL and other genes (RecQL5, USP13, MCL1 and Pellinol) in certain cancers, including breast cancer, colon cancer, lung cancer and ovarian cancer, and their expression products, can be used diagnostically or C The genes, and their expression products, can be used diagnostically or C the genes, and their expression products, can also be used to identify and design compounds useful in the diagnosis, prevention and therapy of tumours and cancers, in vaccine development, and in methods for the design compounds the efficacy of a treatment regime. A claimed method for inhibiting cancer or precancerous growth, especially in colon, ovarian or breast tissue, uses an inhibitor that interacts with CTXL DNA or RNA. The inhibitor is a small interfering RNA (siRNA), microRNA (miRNA), an antisense RNA, and antisense DNA, a decoy molecule, a decoy DNA, a character of the colon and the colon and colon
                                                                                                                                                                                                      Diagnosing a cancer in a mammal comprises determining RecQL5, CTXL, USP13, MCL1, or Pellino 1 gene copy number in a biological sample from region of the mammal that is suspected to be precancerous or cancerous.
                                                                                                                                                                                                                                                                                                                                                                         Claim 54; SEQ ID NO 4; 174pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ribozyme or small molecule
                                   WPI; 2004-035118/03.
N-PSDB; ADF83096.
GENBANK; XP_035095.
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Sequence 326 AA;

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PPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWVRLGTFPTPSPGSMVQDEVSGQLI 180
                                                                                                                                        PTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYLCQVNNPPDPYTNGLGLINLTVLV 120
                                                                                                                                                                              142
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                                                                                         23 VEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWSFVQPGKPISESHPILYFTNGHLY
                                                                    1 VEVKVPTBPLSTPLGKTAELTCTYSTSVGDSFALEWSFVQPGKPISESHPILYFTNGHLY
                                                                                                                                                             PTGSKSKRVSLLQNPPTVGVATLKCTDVHPSDTGTYLCQVNNPPDFYTNGLGLINLTVLV
                                                                                                                                                                                                                              PPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYMWYLGTPPTPSPGSMVQDEVSGQLI
                                     Gaps
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 99.2%; Score 1155; DB 8; Length 326; 100.0%; Pred. No. 1.4e-80;
                                   Indels
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                                                                                                                                                                                                                                                                                                             203 LINLSLISSGIYRCVATNOMGSASCELTLSVIEPSOGRVA 242
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                   100.0%; Pred. No. 1.4 ive 0; Mismatches
Query Match
Best Local Similarity 100.
Matches 220; Conservative
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RESULT 4 AAY87251

AAY87251 standard; protein; 327 AA. (first entry) 11-MAY-2000 AAY87251;

Human signal peptide containing protein HSPP-28 SEQ ID NO:28.

Human; signal peptide-containing protein; HSPP; diagnosis; cancer; inflammation; cardiovascular disease; anticancer; anti-inflammatory; antimicrobial; notropic; neuroprotective; cardiovascular; hepatotropic; antiatethmatic; gene therapy; cell proliferation; neurological disorder; reproductive disorder; developmental disorder; arteriosclerosis; cirrhobis; psoriasis; acquired immune deficiency syndrome; anaemia; asthma; Crohn's disease; infection; Alzheimer's disease; schizophrenia; parkinson's disease; Huntington's diseases; ovulatory defect; muscular dystrophy.

203

LINLSLISSGTYRCVAINQMGSASCELTLSVIEPSQGRVA 220

181

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AZ288109 to AAZ98242 encode AAY87224 to AAY87357 which represent the human signal peptide-containing proteins HSPP-1 to HSPP-134. HSPPs have cardiovascular and antiasthmatic hostropic, hepatotropic, neuroprotective, cardiovascular and antiasthmatic activities, and can be cused in gene therapy. HSPPs can be used to treat or prevent disorders associated with increased activity or function of HSPP. Antagonists of HSPP are used to treat or prevent disorders associated with increased activity or function of HSPP. Such diseases include cell proliferation cordivatory or function of HSPP. Such diseases include cell proliferation of HSPP activity or function of HSPP. Such diseases include cell proliferation of HSPP activity or function of HSPP. Such arteriosclerosis, cirrhosis, psoriasis, acquired immune deficiency syndrome, anaemia, asthma, Crohn's disease, microbial or other infections, congestive or cirrhosis, psoriasis, acquired immune deficiency syndrome, anaemia, asthma, Crohn's disease, Alzhafmer's, Parkinson's or Huntington's cischaemic heart disease, Alzhafmer's, Parkinson's or Huntington's cischaemic heart disease, Alzhafmer's, Parkinson's or Huntington's cischaemic hart disease, Alzhafmer's, Parkinson's or Huntington's cischaemic hart disease, Alzhafmer's, Parkinson's or Huntington's cischaemic hart disease, Alzhafmer's, Parkinson's or Huntington's cischaemic acids can be used for the recombinant production of HSPP, for detecting HSPP in standard hybridisation and amplification assays (for detecting related sequences or genetic variations, and for chromosomal mapping. HSPP are also used to raise specific antibodies (Ab) and to screen for agonists and antagonists in competitive drug screens, and for purification of HSPP from natural inmunoassays), as therapeutic antagonists, in part protection of HSPP from natural and for purification of HSPP from natural
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              PTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYLCQVNNPPDFYTNGLGLINLTVLV 120
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     121 PPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWVRLGTFPTPSPGSMVQDEVSGQLI 180
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                New human signal peptide-containing proteins useful in treatment, prevention and diagnosis of e.g. cancer, inflammation and cardiovascular
                                                                                                                                                                                                                                                                                                                             Gorgone GA, Corley NC, Guegler KJ, Baughn MR;
Young J, Yue H, Patterson C, Reddy R, Hillman JL;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        84 PIGSKSKRVSLLQNPPIVGVATLKLTDVHPSDTGTYLCQVNNPPDFYTNGLGLINLIVLV
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       99.2%; Score 1155; DB 3;
100.0%; Pred. No. 1.4e-80;
ive 0; Mismatches 0;
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98US-0102686P.
98US-0112129P.
                                                                                                                               99WO-US014484
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                                                                                                                                                                                                                                                                                       (INCY-) INCYTE PHARM INC.
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Matches 220; Conservative
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                                     WO200000610-A2
                                                                                                                                                                                                                                                                                                                                                            Akerblom IE,
Homo sapiens
                                                                                                                                                                                                    31-JUL-1998;
01-OCT-1998;
                                                                                                                               25-JUN-1999;
                                                                                                                                                                                                                                            11-DEC-1998;
                                                                                  06-JAN-2000
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This sequence represents a human protein of the invention, which has hydrophobic domains. The DNA sequences can be used as a marker, and to identify genetic marker. The protein can also be used as a marker, and to identify potential genetic disorders. The DNA and protein can also be used as nutritional sources or supplements. The protein exhibits cytokine, cell proliferation, cell differantiation activities and induces production of other cytokines in certain cell populations. The protein also exhibits immune stimulating or immune suppressing activity. It can be used in the treatment of various immune deficiencies and disorders, and to treat infectious diseases caused by viral, bacterial, fungal or other infectious diseases caused by viral, bacterial, fungal or other infectious diseases caused by viral, bacterial, fungal or other infections. The protein is also used for treatment of allergic reactions and conditions such as asthma, and in immune suppression after organ transplantation. The protein is useful in regulation of haematopoiesis conditions such as asthma, and in immune suppression after organ transplantation. The protein is also used in compositions for tissue growth or regeneration. The protein is also used in the treatment of osteoporosis or osteoparthritis and in the treatment of particioncies. It is also used in compositions for tissue growth or regeneration. The protein is also used in the treatment of osteoporosis or osteoparthritis and in the treatment of periodomical disease, and other tooth repair processes. The protein is used in the treatment of nervous system disorders such as Alzheimer's disease, Parkinson's disease, and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Human protein; hydrophobic domain; nutritional source; haematopoiesis; cytokine production; cell proliferation; cell differentiation; limmune deficiency; infectious disease; autoimmune disorder; asthma; multiple sclerosis; systemic lupus erythematosus; rheumatoid arthritis; allergic reaction; osteoporosis; osteoarthritis; periodontal disease; nervous system disorder; Alzheimer's disease; Parkinson's disease; huntingon's disease; liver fibrosis; lung fibrosis; reperfusion injury; systemic cytokine damage; tissue differentiation; contraceptive; stroke; coagulation disorder; myocardial infarction; inflammatory condition; septic shock; sepsis; ischaemia; reperfusion injury; arthritis; tumour;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Novel human proteins having hydrophobic domains useful for treating osteoporosis, Alzheimer's disease, Parkinson's disease, asthma, multiple sclerosis, rheumatoid arthritis, cancer, anemia, and stroke.
204 LINLSLISSGTYRCVATNOMGSASCELTLSVTEPSQGRVA 243
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                                                                                                                                                                                                                           AAY94857 standard; protein; 327
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09-SEP-1998;
29-SEP-1998;
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Huntington's disease. They are useful for protection or regeneration and treatment of lung or liver fibrosis, reperfusion injury in various tissues, and conditions resulting from systemic cytokine damage. They are also used for promoting or inhibiting tissue differentiation. They are also used as contraceptives since they exhibit activin or inhibin related activities and as a fertility inducing therapeutic. They are used for treating various coagulation disorders and in treatment and prevention of conditions resulting from coagulation activities e.g. wyocardial infarction or stroke. They also acts as receptors, receptor ligands or inhibitors or agonists of receptor/ligand interactions. They are used to treat inflammatory conditions such as septic shock, seppis, ischaemia reperfusion injury, arthritis, and nephritis. They can be used to prevent
                                                                                                                                                                                                                                                                                                                                                                                                                             143
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                                                                                                                                                                                                                                                                                                                                 VEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWSFVQPGKP1SESHP1LYFTNGHLY
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990S-0146843P.
990S-0148188P.
990S-0149320P.
990S-0149332P.
990S-0149396P.
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                                                                                                                                                                                                                                                                                Best Local Similarity 100. Matches 220; Conservative
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                                                                                                                                                                                                                                   Sequence 327 AA;
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17-AUG-1999;
20-AUG-1999;
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This sequence is a human PRO protein of the invention. The PRO proteins are secreted proteins. Antagonists or antibodies of PRO polypeptides are useful for diagnosing and treating tumours are associated with gene amplification, neoplastic cell growth and proliferation in mammals, and these conditions characterised by overexpression and/or activation of the amplified genes. Such conditions include benign or malignant tumours (e.g. renal, liver, kidney, bladder, breast, gastric, ovarian, colorectal, prostate, pancreatic, lung, vulval, thyroid, hepatic carcinomas, sarcomas, glioblastomas and various head and neck tumours); clenkaemias and lymphoid malignancies, neuronal, glial, astrocytal, hypothalamic, and other glandular, macrophageal, epithelial, stromal and blastocoelic disorders; and inflammatory, angiogenic and immunologic disorders. These may further be used to qualitatively or quantitatively detect the expression of proteins encoded by the amplified genes, and in tumour diagnostics or prognostics. The PRO polypeptide or its antagonist or antiton, which is responsive to the PRO polypeptide, its antagonist or antiton or antiton of a medicament in the treatment of a condition, which is responsive to the PRO polypeptide, its antagonist or
                                                                                Antibodies against PRO polypeptides, useful for diagnosing and treating tumors are associated with gene amplification, neoplastic cell growth and proliferation in mammals.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Cytostatic; immunosuppressive; nootropic; neuroprotective; antiviral; antiallergic; hepatotropic; antidiabetic; antiinflammatory; antiulcer; vulnerary; anticonvulsant; antiacterial; antifungal; antiparasitic; cardiant; gene therapy; cancer; immune disorder; cardiovascular disorder; neurological disease; infection; human; secreted protein.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match 99.2%; Score 1155; DB 4; Best Local Similarity 100.0%; Pred. No. 1.4e-80; Matches 220; Conservative 0; Mismatches 0;
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                                                                                                                                                                      Claim 61; Fig 12; 143pp; English.
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                    2001-071075/08
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                                      N-PSDB; AAA91019
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                                              121 PPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWVRLGTFPTPSPGSMVQDEVSGQLI 180
83
                       84 PIGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYLCQVNNPPDFYTNGLGLINLTVLV
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The invention relates to novel genes (ABL89449-ABL90853) and proteins (ABB89040-ABB90444) useful for preventing, treating or ameliorating medical conditions e.g. by protein or gene therapy. The genes are isolated from a range of human tissues disclosed in the specification. The nucleic acids, proteins, antibodies and (ant) agonists are useful in the diagnosis, treatment and prevention of: (a) cancer, e.g. breast and overian cancer and other cancers of the adrenal gland, bone, bone marrow, breast, gastrointestinal tract, liver, lung, or urogenital; (b) immune breaming and other cancers of the adrenal gland, bone, bone marrow, breast, gastrointestinal tract, liver, lung, or urogenital; (b) immune breaming thyroiditis, diabetes mellitus, Crohn's disease, multiple sclerosis, rheumatoid arthritis and ulcerative colitis; (c) cardiovascular disorders such as myocardial isonaemias; (d) wound healing; (e) neurological diseases e.g. creebral anoxia and epilepsy; and (f) infections diseases e.g. creebral anoxia and epilepsy; and (f) infections diseases a viral, bacterial, fungal and parasitic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            infections. Note: The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format directly from WIPO at ftp.wipo.int/pub/published_pct_sequences
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                                                                                                                                                                                                                                                                                                                            Novel 1405 isolated polypeptides, useful for diagnosis, treatment and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1 VEVKVPTBPLSTPLGKTABLTCTYSTSVGDSFALEWSFVQPGKPISESHPILYFTNGHLY
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                                                                                                                                                                                                                                                                                                                                                         prevention of neural, immune system, muscular, reproductive, gastrointestinal, pulmonary, cardiovascular, renal and proliferative
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breast cancer; prostate tumour; rectal tumour; liver tumour;
pericyte cell proliferation; chondrocyte cell proliferation;
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100.0%; Pred. No. 1.4e-80;
iive 0; Mismatches 0;
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                            18-MAY-2001; 2001WO-US016450
                                                                               19-MAY-2000; 2000US-0205515P.
                                                                                                                                   (HUMA-) HUMAN GENOME SCI INC.
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N-PSDB; ABL90763.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             The invention relates to one hundred and twenty two nucleic acids encode human secreted proteins. The PRO nucleic acids, polypeptides, aconder human secreted proteins. The PRO nucleic acids, polypeptides, agonists and antagonists are useful for treating a PRO related disorder. The PRO polypeptides are useful for diagnosing tumours, especially lung cancer, colon cancer, breast tumour, prostate tumour, rectal tumour or liver tumour. The PRO polypeptides are useful for stimulating the proliferation of, or gene expression, in pericyte cells, for stimulating the proliferation of elumour necrosis factor-alpha from human blood, for stimulating the release of tumour necrosis factor-alpha from human blood, for stimulating or inhibiting the proliferation of normal human dermal fibroblast cells. The PRO polypeptide may also be used as molecular world in an arkers and for tissue typing. The PRO nucleic acids have and for tissue typing. The PRO nucleic acids have
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   applications in molecular biology, including use as hybridisation probes, and in chromosome and gene mapping. AAU83592-AAU83713 represent human PRO protein sequences of the invention
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Smith V, Stephan JF, Watanabe CK,
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2000US-0222425P.
2000US-0227133P.
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2000US-0220638P.
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2000US-0220893P.
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28-FEB-2001; 2001WO-US006520.
01-MAR-2001; 2001WO-US006666.
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2000WO-US023328.
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2000US-0253646P.
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10-MAY-2001; 2001US-00854208.
10-MAY-2001; 2001US-00854280.
tumour necrosis factor-alpha
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2000US-00747259.
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N-PSDB: ABX33653.
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25-JUL-2000;
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28-NOV-2000;
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                                                                                         Homo sapiens
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The present invention relates to the isolation of novel human PRO polypeptides, and the polynucleotide sequences encoding them. The PRO polypeptides are escreted and transmembrane proteins. The PRO polypeptides and polynucleotides are useful for preparing a medicament useful in the diagnosis and treatment of tumours. Anti-PRO antibodies are useful in diagnostic assays for PRO, by detecting its expression in specific cells, tissues or serum, and for affinity purification of PRO from recombinant cell culture or natural sources. ABUS0739-ABUS0860 represent the human PRO polypeptides of the invention. Note: The sequence data for this patent was obtained in electronic format directly from the
                                                                 120
                                                                                                                                                   Human, PRO polypeptide, secreted and transmembrane protein, anti-PRO antibody, diagnostic assay, gene expression, tumour, cytostatic.
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Smith V, Stephan JF, Watanabe CK, Wood WI;
                     24 VEVXVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWSFVQPGKPISESHPILYFTNGHLY
                                                                                  PPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWVRLGTFPTPSPGSMVQDEVSGQLI
VEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWSFVQPGKPISESHPILYFTNGHLY
                                                                 PTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYLCQVNNPPDPYTNGLGLINLTVLV
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    One hundred and twenty two nucleic acids encoding PRO polypeptides, useful for the manufacture of a medicament for diagnosing or treating
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          USPTO web site at segdata.uspto.gov/psipsDIDEntry.html
                                                                                                                                                                                                                    LINLSLISSGIYRCVAINQMGSASCELILSVIEPSQGRVA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Claim 11; Fig 236; 314pp; English.
                                                                                                                                                                                                                                                                                                                       ABU80856 standard; protein; 327
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2001WO-US021066.
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                                                                                                                                                                                                                                                                                                                                                                                                                          Human PRO polypeptide #118
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (GETH ) GENENTECH INC
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            US2003036635-A1.
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Grimaldi JC,
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99.2%; Score 1155; DB 6; Length 327;

Query Match

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Gaps

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Length 327; Indels

99.2%; Score 1155; DB 5; 100.0%; Pred. No. 1.4e-80; ive 0; Mismatches 0;

Query Match Best Local Similarity 100. Matches 220; Conservative

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                                                                                                                                                                                                                                                                                                                                                                                                                                                               Human; secreted and transmembrane protein; PRO; cytostatic; antiarthritic; osteopathic; gene therapy; INF-Agonist-Alpha; chondrocyte stimulator; fibroblast modulator; paricyte stimulator; fibroblast modulator; pharmaceutical; diagnostic; blosensor; bioreactor; tumour; lung tumour; colon tumour; breast tumour; prostate tumour; rectal tumour; liver tumour; bone disorder; cartilage disorder; sports injury;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Gerritsen ME, Goddard A, Godowski PJ;
Smith V, Stephan JF, Watanabe CK, Wood WI;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         New genes, and its encoded secreted and transmembrane polypeptides, useful for stimulating Tumor Necrosis Factor alpha, or chondrocyte or pericyte proliferation, especially for treating lung tumors, arthritis
                                                              PTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYLCQVNNPPDFYTNGLGLINLTVLV
                                                                                                                            PPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWVRLGTFPTPSPGSMVQDEVSGQLI
                                                                                                                                                                                       PPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWVRLGTFPTPSPGSMVQDEVSGQLI
                                              1 VEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWSFVQPGKPISESHPILYFTNGHLY
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   Pred. No. 1.4 ; Mismatches
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100.0%;
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29-JUN-2001; 2001MO-US021066.
09-APR-2002; 2002US-00119480.
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                 220; Conservative
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N-PSDB; ACD68710.
   Best Local Similarity
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Grimaldi JC,
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                 Matches
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continually useful for detecting tumours (e.g. lung tumour, colon tumour, breast tumour, prostate tumour, rectal tumour, or liver tumour)

in a mammal, for stimulating the release of TNF-alpha from human blood, cor stimulating the proliferation of discontinuous or differentiation of chondrocyte cells, for stimulating proliferation of pericyte cells, or for modulating normal human dermal fibroblast proliferation. The PRO nucleic acid or polypeptide is also useful for treating tumours or various bone and/or cartilage disorders (e.g. sports injuries or arthritis), or wounds. The PRO polypeptides are useful in drug screening, particularly as targets for therapeutic intervention in these diseases, and in the diagnostic also useful as molecular weight markers, or for chromosome calso useful as molecular weight markers, or for chromosome calso thuman cDNA, genomic DNA or mRNA. The PRO genes may also be used in gene therapy, particularly for replacing a defective gene. This is the amino acid sequence of a novel human secreted and contransmembrane PRO polypeptide.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              antiangiogenic; hypotensive; vulnenry; antiarteriosclerotic; gene therapy; cardiovascular disorder; endothelial disorder; angiogenic disorder; cardiac hypertrophy; trauma; cancer; age-related macular degeneration; atherosclerosis; hypertension; arterial restenosis; rheumatoid arthritis; angina; myocardial infarction; thrombophlebitis; lymphangitis; tumour angiogenesis; breast carcinoma; liver carcinoma; wound healing; chromosome mapping; gene mapping.
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Pred. No. 1.4e-80;
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; 2001WO-US017800.
; 2001WO-US021066.
; 2002US-00119480.
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Best Local Similarity 100.
Matches 220; Conservative
                                                                                                                                                                                                                                                                                                                                                               Sequence 327 AA;
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09-APR-2002; 2002US-00119480.
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                                                           Grimaldi JC, Gurney
                                                                                     WPI; 2003-521818/49.
                                                                                                   N-PSDB; ABT44343
                                                                                                                                                                                                                                                                                                                                                                   Sequence 327 AA;
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                                               Baker KP,
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                                                                                                                                                                                   encoding novel human secreted and transmembrane (PRO) polypeptides. The PRO nucleic acids, polypeptides, agonists and antagonists are useful for treating or diagnosing a cardiovascular, endothelial or angiogenic disorder in a mammal, e.g. cardiac hypertrophy, trauma, cancer, agerelated macular degeneration, atherosclerosis, hypertension, arterial restenosis, rheumatoid arthritis, ungina, myocardial infarctions, thrombophlebitis, lymphangitis, tumour angiogenesis (such as breast carcinoma and liver carcinoma) and wound healing. The PRO nucleic acids have applications in molecular biology, including use as hybridisation probes, and in chromosome and gene mapping. This is the amino acid sequence of a novel human secreted and transmembrane PRO polypeptide
                    PJ;
Wood WI;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           PRO; proliferation; pericyte cell; TNP-alpha; blood; chondrocyte; differentiation; dermal fibroblast; tumour; gene therapy; cytostatic.
                                                                                                                                                                                                                                                                                                                                                                                             Gaps
                                                                                               One hundred and eighty seven nucleic acids encoding PRO polypeptides, useful in diagnosis and treatment of cardiovascular (e.g. myocardial infarction), endothelial or angiogenic disorders in a mammal.
                                                                                                                                                                           The invention describes one hundred and eighty seven nucleic acids
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                       Gerritsen ME, Goddard A, Godowski P
Smith V, Stephan JF, Watanabe CK,
                                                                                                                                                                                                                                                                                                                                                                   Length 327;
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100.0%; Pred. No. 1.4e-80;
iive 0; Mismatches 0;
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29-JUN-2001; 2001WO-US021066.
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Best Local Similarity 100.
Matches 220; Conservative
                      Baker KP, Desnoyers L, Grimaldi JC, Gurney AL,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Human PRO7154 protein.
(GETH ) GENENTECH INC.
                                                           2003-393229/37.
                                                                        N-PSDB; ACA68614
                                                                                                                                                                                                                                                                                                                                         Sequence 327 AA;
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The invention relates to a novel isolated nucleic acid encoding a fully defined PRO polypeptide. The molecules of the invention may be useful for stimulating prolliferation or gene expression in pericyte cells or the release of TNF-alpha from human blood. Other possible uses include the stimulation or inhibition of chondrocyte prolliferation or display the stimulation of human dermal fibroblast cell prolliferation and the detection of the presence of a tumour within a mammal. Furthermore, the nucleic acid may be useful for the manufacture of a medicament for diagnosing or treating a tumour within a mammal or for measuring or detecting the expression of an associated gene, as well as during gene therapy. The current sequence is that of the human PRO protein of the invention
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                                                                        Goddard A, Godowski PJ;
phan JF, Watanabe CK, Wood WI;
                                                                                                                                                                                                                                                                                      New nucleic acid encoding for a PRO protein, useful for the manufactun of a medicament for diagnosing or treating tumors or for measuring or detecting expression of an associated gene.
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                                                                        Gerritsen ME, Goddard /
Smith V, Stephan JF,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       99.2%; Score 1155; DB 6;
100.0%; Pred. No. 1.4e-80;
ive 0; Mismatches 0;
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Matches 220; Conservative
                                                                        Desnoyers L,
C, Gurney AL,
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(GETH ) GENENTECH INC
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16-OCT-2003
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                                                                                              Baker
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            203
                                                                                                                                                                                                                         The invention relates to a novel isolated PRO protein encoding nucleic acid of the invention may be useful for preparing PRO polypeptides and anti-PRO antibodies for detecting the presence of a tumour in a mammal. Furthermore, the molecules of the invention may be useful for stimulating proliferation or gene expression in pericyte cells, the release of tumour necrosis factor (TNF)-alpha from human blood, the proliferation or differentiation of chondrocyte cells and for inhibiting the proliferation of normal human dermal fibroblast cells. Finally, the molecules may be utilised during gene therapy. The current sequence is that of the human PRO protein of the invention
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                                                                                Goddard A, Godowski PJ;
phan JF, Watanabe CK, Wood WI;
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                                                                                                                                                                                                                                                                                                                                                                                                               Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Human; chondrocyte stimulation; TNF-alpha stimulation; gene therapy;
human dermal fibroblast stimulation; tumour; tissue typing;
                                                                                                                                                    New PRO protein encoding nucleic acid, useful for preparing PRO polypeptides and anti-PRO antibodies for detecting the presence of
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Human secreted/transmembrane polypeptide PRO 7154.
                                                                               Gerritsen ME, Goddard / Smith V, Stephan JF,
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                                                                                                                                                                                                    Claim 11; Fig 236; 324pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ABO34368 standard; protein; 327
       01-JUN-2001; 2001WO-US017800.
29-JUN-2001; 2001WO-US021066.
09-APR-2002; 2002US-00119480.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (first entry)
                                                                                                                                                                                                                                                                                                                                                                                    Query Match
Best Local Similarity 100.
Matches 220; Conservative
                                                                                Baker KP, Desnoyers L,
Grimaldi JC, Gurney AL,
                                                       GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            affinity purification.
                                                                                                                 WPI; 2003-503301/47
                                                                                                                                                                             tumor in a mammal.
                                                                                                                             N-PSDB; ABT44626
                                                                                                                                                                                                                                                                                                                                                              Sequence 327 AA;
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The invention relates to an isolated nucleic acid encoding a PRO
polypeptide. Nucleic acids that encode PRO can be used to generate either
transgenic animals or knock-out animals useful in developing and
screening of therapeutically useful reagents. The nucleic acids may also
be used in gene therapy for replacing defective gene, in chromosome
dentification, as chromosome markers, or in generating probes to isolate
full length PRO cDNA. The PRO polypeptides are useful for chondrocyte
stimulation, TNF-alpha stimulation, human dermal fibroblasts stimulation
on for detecting the presence of tumour in an mammal. The PRO
and for detecting the presence of tumour in an mammal. The PRO
polypeptides are useful as molecular markers for protein electrophoresis
and the isolated nucleic acids may be used for recombinantly expressing
those markers. The PRO antibodies are useful in diagnostic assays for
FRO and in affinity purification of PRO from recombinant cell culture or
natural sources. The present sequence represents the amino acid sequence
of a human secreted/transmembrane PRO polypeptide
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                                                                                                                                                                                                                                                                      Gerritsen ME, Goddard A, Godowski PJ;
Smith V, Stephan JF, Watanabe CK, Wood WI;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                           New transmembrane polypeptides and nucleic acids encoding the polypeptides, useful in gene therapy, in chromosome identification, as chromosome markers, or in generating probes.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             84 PIGSKSKRVSLLQNPPTVGVATLKIJDVHPSDTGTYLCQVNNPPDFYTNGLGLINLIVLV
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        24 VEVKVPTEPLSTPLGKTABLTCTYSTSVGDSFALEWSFVQPGKPISESHPILYFTNGHLY
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cell proliferation; cell migration; cell differentiation;
mitogenic factor; survival factor; cytotoxic factor;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Length 327;
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100.0%; Pred. No. 1.4e-80;
ive 0; Mismatches 0;
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                                                         01-JUN-2001; 2001WO-US017800.
29-JUN-2001; 2001WO-US021066.
09-APR-2002; 2002US-00119480.
28-AUG-2002; 2002US-00230338
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                                                                                                                                                                                                                                                                      Desnoyers L,
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                                                                                                                                                                                                  (GETH ) GENENTECH INC.
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Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                              N-PSDB; ACD82293.
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                                                                                                                                                                                                                                                                                                      Grimaldi JC,
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This invention relates to one hundred and twenty two novel nucleic acids encoding human PRO membrane bound proteins or receptors. Extracellular proteins play important roles in the formation, differentiation and maintenance of multicellular organisms. The fate of many individual cells (for example proliferation, migration or differentiation) is typically governed by information received from other cells and the immediate environment. The information is often transmitted by secreted polypeptides (for example mitogenic factors, survival factors, cytotoxic factors, differentiation factors, neuropeptides and hormones) which are received and interpreted by diverse cell receptors or membrane bound proteins. These membrane bound proteins and receptors may be of use as
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              pharmaceutical and diagnostic agents, such as in the blocking of receptor-
ligand interactions. The current invention provides the amino acid
sequences of novel human membrane bound receptors and proteins, along
with the CDNA sequences encoding them. The novel proteins of the
invention may have cytostatic activities through the stimulation of
chondrocytes. The nucleic acids of the invention may be useful for the
manufacture of a medicament for diagnosing or treating a tumour in a
mammal. In addition, they may be useful for measuring or detecting the
expression of a tumour associated gene. The present sequence is the amino
acid sequence of a human PRO protein of the invention
                                                                                                                                                                                                                                                                                                                                                                                                                                         Gerritsen ME, Goddard A, Godowski PJ;
Smith V, Stephan JF, Watanabe CK, Wood WI;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        One hundred and twenty two nucleic acids encoding PRO polypeptides, useful for the manufacture of a medicament for diagnosing or treating
differentiation factor; neuropeptide; hormone; cell receptor; receptor-ligand interaction; cytostatic; chondrocyte; tumour.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   99.2%; Score 1155; DB 7; Length 327; 100.0%; Pred. No. 1.4e-80; ive 0; Mismatches 0; Indels (
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24-FEB-2000; 2000WO-US005004.
02-MAR-2000; 2000WO-US005841.
01-JUN-2001; 2001WO-US017800.
29-JUN-2001; 2001WO-US021066.
09-APR-2002; 2002US-00119480.
                                                                                                                                                                                               29-AUG-2002; 2002US-00232224
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C, Gurney AL,
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N-PSDB; ABT43999.
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                                                                                                          US2003065147-A1.
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                                                                 Homo sapiens.
                                                                                                                                                   03-APR-2003
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Gaps ; 0 9 83

1 VEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWSFVQPGKPISESHPILYFTNGHLY 24 VEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWSFVQPGKPISESHPILYFTNGHLY

Best Local Similarity 100. Matches 220; Conservative

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Query Match

143

61 PTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYLCQVNNPPDFYTNGLGLINLTVLV 120

84 PIGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYLCQVNNPPDFYTNGLGLINLTVLV

121 PPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWVRLGTFPTPSPGSMVQDEVSGQLI 180

144 PPSNPLCSQSGQTSVGGSTALRCSSSSGAPKPVYNWVRLGTFPTPSPGSWVQDEVSGQLI

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181 LTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQGRVA 220

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204 LINLSLISSGTYRCVAINQMGSASCELTLSVTEPSQGRVA 243
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Search completed: August 4, 2005, 06:07:08 Job time : 68.7067 secs

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human secreted proteins given in AAB08891 to AAB08984. The human secreted proteins can have activities based on the tissues and calls they are expressed in. Examples of the activities are: cytostatic; antiproliferative; immunosuppressive; antibacterial; and vulnerary. The secreted proteins and their related polymucleotide sequences are useful for diagnostic and therapeutic methods useful for diagnostic and the secreted proteins. The proteins, and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Human secreted proteins and coding sequences useful in diagnostic and therapeutic methods for disorders such as immune system or proliferative disorders, related to the proteins.
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                                                                                                                                                                                                                                                                                                                                     Human secreted protein sequence encoded by gene 13 SEQ ID NO:97.
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ss GA, Soppet DR;
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 Komatsoulis G,
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(c) 1993 - 2005 Compugen Ltd.
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 polynucleotide sequences may be useful for treating disorders of the
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100.0%; Pred. No. 6.1e-85;
ive 0; Mismatches 0;
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G, Endress GA, Soppet DR;
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The polynucleotide sequences given in AAA39052 to AAA39088 encode the human secreted proteins given in AAB08891 to AAB08984. The human secreted proteins given in AAB08891 to AAB08984. The human secreted proteins can have activities based on the tissues and cells they are expressed in. Examples of the activities are: cytostatic; anti-
c expressed in. Examples of the activities are: cytostatic; anti-
c expressed in. Examples of the activities are: cytostatic; anti-
c proliferative; immunosuppressive; antibacterial; and vulnerary. The cording mother and their peutic methods useful for diagnosting and treating disorders related to the secreted proteins. The proteins, and companies of the commune system, hyperproliferative disorders, infectious disease, immune system, hyperproliferative disorders, infectious disease, companies that commune system, the proteins or polynucleotide sequences may be used as food additives or preservatives, to increase or decrease storage capabilities, fat content, lipid, protein, carbohydrate, vitamins, minerally co-factors or other nutritional components, Agonists or antagonists of the proteins may be used to prevent scar tissue growth can during wound healing, and hyper-vascular diseases. AAA39031 to AAA39031 to and AAB080800 are sequences used in the exemplification of the present
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                   Human secreted proteins and coding sequences useful in diagnostic and therapeutic methods for disorders such as immune system or proliferative
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                                                                                                              Claim 11; Page 376-377; 416pp; English.
                                                                  disorders, related to the proteins.
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AAZ98109 to AAZ98242 encode AAV87224 to AAY87357 which represent the human signal peptide-containing proteins HSPP-1 to HSPP-134. HSPPs have anticancer, anti-inflammatory, antimicrobial, nootropic, hepatotropic, neuroprotective, cardiovascular and antiathmatic activities, and can be used in gene therapy. HSPPs can be used to treat or prevent disorders associated with decreased activity or function of HSPP. Antegonists of HSPP are used to treat or prevent disorders associated with increased activity or function of HSPP. Such diseases include cell-proliferation (Including cancer), inflammation, cardiovascular, neurological, reproductive or developmental disorders, (e.g. arteriosclerosis, cathma, Crohn's disease, microbial or other infections, congestive or ischaemic heart disease, Alzheimer's Parkinson's or Huntington's diseases, schizophrenia, ovulatory defects, muscular dystrophy). HSPP concletic acids can be used for the recombinant production of HSPP, for detecting HSPP in standard hybridisation and amplification assays (for diagnosis and monitoring), in gene therapy, as antisense, triplex-forming to riboxyme therapeutics, for detecting related sequences or genetic variations, and for chromosomal mapping HSPP are also used to raise conclusions and antegonists of potential therapeutic agents). As are used to diagnosis and antisense, triplex-forming triplex-forming the diagnosis and monitoring), have used to diagnosis end contramental the sequences or genetic related diagnosis.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             -related diseases (in usual immunoassays), as therapeutic antagonists, in competitive drug screens, and for purification of HSPP from natural
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                                                                                                                                                                                                                                                                                                                                                                                                                                                              New human signal peptide-containing proteins useful in treatment, prevention and diagnosis of e.g. cancer, inflammation and cardiovascular
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8, Hillman JL;
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Au-Young J, Yue H, Patterson C, Reddy R,
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                                                                                                                                                                                                98US-0094983P.
98US-0102686P.
98US-0112129P.
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Matches 243; Conservative
                                                                                                                                                                                                                                                                               (INCY-) INCYTE PHARM INC.
                                                                                                                                                                                                                                                                                                                                                                                                      WPI; 2000-160673/14.
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Akerblom IE, Au
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                                                          WO200000610-A2.
                      Homo sapiens.
                                                                                                                                       25-JUN-1999;
                                                                                                                                                                                                  31-JUL-1998;
                                                                                                                                                                               26-JUN-1998;
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Human protein, hydrophobic domain; nutritional source; haematopoiesis; cytokine production; cell proliferation; cell differentiation; dimmune deficiency; infectious disease; autoimmune disorder; asthma; multiple sclerosis; systemic lupus erythematosus; rheumatoid arthritis; allergic reaction; osteoporosis; osteoarthritis; periodontal disease; nervous system disorder; Alzheimer's disease; Parkinson's disease; huntington's disease; liver fibrosis; lung fibrosis; reperfusion injury; systemic cytokine damage; tissue differentiation; contraceptive; stroke; coagulation disorder; myocardial infarction; inflammatory condition; septic shock; sepsis; ischaemia; reperfusion injury; arthritis; tumour;
                                                                                               AAY94857 standard; protein; 327 AA.
                                                                                                                                                         Human protein clone HP10568.
                                                                                                                                      (first entry)
                                                                                                                                                                                                                                                                             nephritis; therapy
                            RVA 243
                                                RVA 243
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                                                                                                                                      12-JUN-2000
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03-FEB-2000

99WO-JP003929 22-JUL-1999;

24-JUL-1998 07-AUG-1998

98JP-00208820. 98JP-00224105. 98JP-00238116. 98JP-00254736 25-AUG-1998; 09-SEP-1998; 29-SEP-1998;

98JP-00275505

CHEM RES CENT PROTEGENE INC. SAGA) SAGAMI (PROT-)

Kato S, Kimura T;

WPI; 2000-182694/16.

Novel human proteins having hydrophobic domains useful for treating osteoporosis, Alzheimer's disease, Parkinson's disease, asthma, multiple sclerosis, rheumatoid arthritis, cancer, anemia, and stroke.

Claim 1; Page 183-184; 351pp; English.

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Gaps

9 9 120

180

This sequence represents a human protein of the invention, which has hydrophobic domains. The DNA sequences can be used as a probe or as a genetic marker. The protein can also be used as a marker, and to identify potential genetic disorders. The DNA and protein can also be used as nutritional sources or supplements. The protein exhibits cytokine, cell proliferation, cell differentiation activities and induces production of other cytokines in certain cell populations. The protein also exhibits immune stimulating or immune suppressing activity. It can be used in the treatment of various immune deficiencies and disorders, and to treat identify infectious diseases caused by viral, bacterial, fungal or other infectious. The protein is also used for treating autoimmune disorders such as multiple sclerosis, systemic lupus erythematosus, and rheumatoid arthritis. It is also useful in the treatment of allergic reactions and conditions such as asthma, and in immune suppression after organ transplantation. The protein is useful in regulation of haematopoiesis and consequently in the treatment of myeloid or lymphoid cell

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deficiencies. It is also used in compositions for tissue growth or regeneration. The protein is also used in the treatment of osteoporosis or osteoarthritis and in the treatment of periodontal disease and other tooth repair processes. The protein is used in the treatment of nervous system disorders such as Alzheimer's disease, Parkinson's disease, and Huntington's disease. They are useful for protection or regeneration and treatment of lung or liver fibrosis, reperfusion injury in various of issues, and conditions resulting from systemic cytokine damage. They are also used for promoting or inhibiting tissue differentiation. They are callso used for promoting or inhibiting tissue differentiation. They are conditions conditions since they exhibit activin or inhibit netated activities and as a fertility inducing therapeutic. They are used for treating various coagulation disorders and in treatment and prevention of infarction or stroke. They also acts as receptors, receptor ligands or inhibitors or agonists of receptor/ligand interactions. They are used to treat inflammatory conditions such as septic shock, sepsis, ischaemia communications injury, arthritis, and nephritis. They can be used to prevent
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99US-0144790P.
99US-0146843P.
99US-0148188P.
99US-0149320P.
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03-AUG-1999;
10-AUG-1999;
17-AUG-1999;
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This sequence is a human PRO protein of the invention. The PRO proteins are secreted proteins. Antagonists or antibodies of PRO polypeptides are useful for diagnosing and treating tumours are associated with gene amplification, neoplastic cell growth and proliferation in mammals, and those conditions characterised by overexpression and/or activation of the amplified genes. Such conditions include benign or malignant tumours (e.g. renal, liver, kidney, bladder, breast, gastric, ovarian, colorectal, prostate, pancreatic, lung, vulval, thyroid, hepatic carcinomas, sarcomas, glioblastomas and various head and neck tumours); colorectal, prostate, pancreatic, lung, vulval, thyroid, hepatic carcinomas and lymphoid malignancies; neuronal, glial, astroytal, chypothalamic, and other glandular, macrophageal, epithelial, stromal and blastocoelic disorders; and inflammatory, angiogenic and immunologic disorders. These may further be used to qualitatively or quantitatively conditions the expression of protechs encoded by the amplified genes, and in tumour diagnostics or prognostics. The PRO polypeptide or its antagonist or condition, which is responsive to the PRO polypeptide, its antagonist or
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Antibodies against PRO polypeptides, useful for diagnosing and treating tumors are associated with gene amplification, neoplastic cell growth and
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                                                                                                                                               Wood WI;
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                                                                                                                                               Watanabe CK,
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100.0%; Pred. No. 3.8e-84;
iive 0; Mismatches 0;
                                                                                                                                               Smith V,
                                                                                                                                               Gurney AL,
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                                                                                                                                                                                                                                                                                                            Claim 61; Fig 12; 143pp; English.
99US-0149327P.
99US-0149396P.
99US-0150114P.
99US-0151700P.
99US-0151734P.
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                                                                                                                                               Goddard A,
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                                                                                                            (GETH ) GENENTECH INC
                                                                                                                                                                                 WPI; 2001-071075/08.
N-PSDB; AAA91019.
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AAU83709 standard; protein; 327 AA.

RVA 243

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The invention relates to novel genes (ABL89449-ABL90853) and proteins (ABB89040-ABB90444) useful for preventing, treating or ameliorating medical conditions e.g. by protein or gene therapy. The genes are isolated from a range of human tissues disclosed in the specification. The nucleic acids, proteins, antibodies and (ant) agonists are useful in the diagnosis, treatment and prevention of: (a) cancer, e.g. breast and ovarian cancer and other cancers of the adrenal gland, bone, bone marrow, breast, gastrointestinal tract, liver, lung, or urogenital; (b) immune disorders e.g. Addison's disease, allergies, autoimmune haemolytic anaemia, autoimmune thyroiditis, diabetes mellitus, Crohn's disease, multiple sclerosis, rheumatoid arthritis and ulcerative colitis; (c) cardiovascular disorders such as myocardial ischaemias; (d) wound healing; (e) neurological diseases e.g. cerebral anoxia and epilepsy; and (f) infections. Note: The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format directly true will rect will be printed specification, but was obtained in electronic format directly.
                                                         Cytostatic; immunosuppressive; nootropic; neuroprotective; antiviral; antiallergic; hepatotropic; antidiabletic; antiinflammatory; antiuleer; vulnerary; anticonvulsant; antidecterial; antifungal; antiparasitic; cardiant; gene therapy; cancer; immune disorder; cardiovascular disorder; neurological disease; infection; human; secreted protein.
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Pred. No. 3.8e-84;
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100.0%; Pred. No. ...
0; Mismatches
Human polypeptide SEQ ID NO 2730
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                                                                                                                                                                                                                                                     Homo sapiens.
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셤 8 유 ò 셤 ઠે 셤 ò

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One hundred and twenty two nucleic acids encoding PRO polypeptides, useful for treating a PRO related disorder and for diagnosing tumors such as lung cancer, colon cancer, breast tumor, prostate tumor, rectal tumor
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rv Wood WI;
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                                                                                                                                                                                                                                              Human; secreted protein; PRO; tumour; lung cancer; colon cancer; breast cancer; prostate tumour; rectal tumour; liver tumour; pericyte cell proliferation; chondrocyte cell proliferation; tumour necrosis factor-alpha.
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Smith V, Stephan JF,
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                                                                                                                                                                                              Human PRO protein, Seg ID No 236.
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22-AUG-2000; 2000US-0227133P.
23-AUG-2000; 2000WG-US023322.
24-AUG-2000; 2000WG-US033281.
10-NOV-2000; 2000WG-US033873.
28-NOV-2000; 2000WG-US036FF.
20-DEC-2000; 2000WG-US036FF.
20-DEC-2000; 2000WG-US034956.
20-DEC-2000; 2010WG-US034956.
28-FEB-2001; 2011WG-US05520.
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2000US-0220624P.
2000US-0220638P.
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2000US-0220666P.
2000US-0220893P.
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25-JUL-2000;
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26-JUL-2000;
28-JUL-2000;
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RVA 243
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cancer, colon cancer, breast tumour, prostate tumour, rectal tumour or liver tumour. The PRO polypeptides are useful for stimulating the proliferation of, or gene expression, in pericyte cells, for stimulating the proliferation or differentiation of chondrocyte cells, for stimulating or inhibiting the proliferation of formal human blood, for stimulating or inhibiting the proliferation of normal human dermal fibroblast cells. The PRO polypeptide may also be used as molecular weight markers and for tissue typing. The PRO nucleic acids have applications in molecular biology, including use as hybridisation probes, and in chromosome and gene mapping. AMU83592-AAU83713 represent human PRO protein sequences of the invention
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Smith V, Stephan JF, Watanabe CK, Wood WI;
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                                                                                                                                                                        Length 327;
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01-JUN-2001; 2001WO-US017800.
29-JUN-2001; 2001WO-US021066.
09-APR-2002; 2002US-00119480.
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N-PSDB; ACA66958.
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polypeptides, and the polymuclectide sequences encoding them. The PRO polypeptides are secreted and transmembrane proteins. The PRO polypeptides and polymuclectides are useful for preparing a medicament useful in the diagnosis and treatment of tumours. Anti-PRO antibodies are useful in diagnostic assays for PRO, by detecting its expression in specific cells, tissues or serum, and for affinity purification of PRO from recombinant cell culture or natural sources. ABUS0739-ABUS0860 represent the human PRO polypetides of the invention. Note: The sequence data for this patent was obtained in electronic format directly from the
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         RIGTFPTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQG
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One hundred and twenty two nucleic acids encoding PRO polypeptides, useful for the manufacture of a medicament for diagnosing or treating
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Gaps
                                                                                                                                                                                                                                                     present invention relates to the isolation of novel human PRO
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                data for this patent was obtained in electronic format USPTO web site at seqdata.uspto.gov/psipsDIDEntry.html
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  99.3%; Score 1277; DB 6;
100.0%; Pred. No. 3.8e-84;
iive 0; Mismatches 0;
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                                                                                                                                                               Claim 11; Fig 236; 314pp; English.
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29-JUN-2001; 2001WO-US021066.
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Novel human secreted and transmembrane protein PRO7154.

(first entry)

25-JUN-2003

ABU82165;

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The invention describes an isolated nucleic acid molecule comprising a sequence with at least 80% identity to: (a) a nucleotide encoding any of 122 PRO (secreted and transmembrane) polypeptides whose sequences are fully defined in the specification; or (b) any of 122 nucleotide captures having e.g. 4834, 2504 or 1759 bp fully defined in the specification; or the full length coding sequence of any these 122 nucleotide sequences. The PRO polypeptides or polynucleotides are useful as pharmaceuticals, diagnostics, blosensors or bioreactors. These are particularly useful for detecting tumours (e.g. lung tumour, colon tumour, breast tumour, prostate tumour, rectal tumour, or liver tumour) in a mammal, for stimulating the release of TNF-alpha from human blood, for stimulating proliferation or differentiation of chondrocyte cells, for stimulating proliferation of pericyte cells, or for modulating cornal human dermal fibroblast proliferation. The PRO nucleic acid or polypeptide is also useful for treating tumours or various bone and/or cartilage disorders (e.g. sports injustes or arthritials), or wounds. The PRO polypeptides are useful in drug screening, particularly as targets for therapeutic intervention in these diseases, and in the diagnostic determination of the presence of these diseases, The PRO polypeptides are useful as molecular weight markers, or for chromosome calso useful as molecular weight markers, or for chromosome calso useful as molecular weight markers, or for chromosome calso used in gene therapy, particularly for replacing a defective calso be used in sethe amino acid sequence of a novel human secreted and transmembrane PRO polypeptide sequence of a novel human secreted and transmembrane PRO polypeptide and no calso are noted and sequence of a novel human secreted and
                                                                                                                                                                                                                                                           New genes, and its encoded secreted and transmembrane polypeptides, useful for stimulating Tumor Necrosis Factor alpha, or chondrocyte or pericyte proliferation, especially for treating lung tumors, arthritis or wounds in a mammal.
                                                                                                      Gerritsen ME, Goddard A, Godowski PJ;
Smith V, Stephan JF, Watanabe CK, Wood WI;
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                                                                                                                                                                                                                                                                                                                                                                                          Claim 11; Fig 236; 314pp; English.
09-APR-2002; 2002US-00119480.
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                                              (GETH ) GENENTECH INC.
                                                                                                                                                                              WPI; 2003-512315/48.
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                                                                                                Baker KP, De
Grimaldi JC,
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                                                                       FVQPGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYL 120
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                 1 MAELPGPFLCGALLGFLCTSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWS
                                                        FVQPGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYL
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ABU82165 standard; protein; 327 AA.

RESULT 10 ABU82165

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                                                                                                                                                     antiangiogenic; hypotensive; vulnenry; antiarteriosclerotic; gene therapy; cardiovascular disorder; andothelial disorder; angiogenic disorder; cardiac hypertrophy; trauma; cancer; age-related macular degeneration; atherosclerosis; hypertension; age-related macular degeneration; atherosclerosis; hypertension; traterial restenosis; rheumatoid arthritis; angina; myocardial infarction; thrombophlebitis; lymphangitis; tumour angiogenesis; breast carcinoma; liver carcinoma; wound healing; chromosome mapping; gene mapping.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                encoding novel human secreted and transmembrane (PRO) polypeptides. The PRO nucleic acids, polypeptides, agonists and antagonists are useful for treating or diagnosing a cardiovascular, endothelial or angiogenic disorder in a mammal, e.g. cardiac bypertrophy, trauma, cancer, agerelated macular degeneration, atherosclerosis, hypertension, arterial restenosis, rheumatoid arthritis, umour angiogenesis (such as breast thrombophlebitis, lymphangitis, tumour angiogenesis (such as breast carcinoma and liver carcinoma) and wound healing. The PRO nucleic acids have applications in molecular biology, including use as hybridisation probes, and in chromosome and gene mapping. This is the amino acid sequence of a novel human secreted and transmembrane PRO polypeptide
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Wood WI;
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                                                                                                                                       cytostatic;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        One hundred and eighty seven nucleic acids encoding PRO polypeptides, useful in diagnosis and treatment of cardiovascular (e.g. myocardial infarction), endothelial or angiogenic disorders in a mammal.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 The invention describes one hundred and eighty seven nucleic acids
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Smith V, Stephan JF, Watanabe CK,
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                                                                                                                                  Human; secreted and transmembrane protein; PRO;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Claim 11; Fig 236; 314pp; English.
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01-JUN-2001; 2001WO-US017800.
29-JUN-2001; 2001WO-US021066.
09-APR-2002; 2002US-00119480.
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                                                                                                                                                                                                                                                                                                                   Homo sapiens.
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The invention relates to a novel isolated nucleic acid encoding a fully defined PRO polypeptide. The molecules of the invention may be useful for stimulating proliferation or gene expression in pericyte cells or the release of TNF-alpha from human blood. Other possible uses include the stimulation or inhibition of chondrocyte proliferation or differentiation, the stimulation of human dermal fibroblast cell proliferation and the detection of the presence of a tumour within a mammal. Furthermore, the nucleic acid may be useful for the manufacture of a medicament for diagnosing or treating a tumour within a mammal or for measuring or detecting the expression of an associated gene, as well as during gene therapy. The current sequence is that of the human PRO protein of the invention
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   New nucleic acid encoding for a PRO protein, useful for the manufacture of a medicament for diagnosing or treating tumors or for measuring or detecting expression of an associated gene.
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Smith V, Stephan JF, Watanabe CK, Wood WI;
                  RIGTFPTPSPGSMVQDEVSGQLILITNLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQG
                                                                                                                                                                                                                                                                                                                                    PRO; proliferation; pericyte cell; TNF-alpha; blood; chondrocyte; differentiation; dermal fibroblast; tumour; gene therapy; cytostatic.
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                                                                                                                                                                                              ABJ72345 standard; protein; 327 AA.
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09-APR-2002; 2002US-00119480.
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                                                                                                                                                                                                                                                                    (first entry)
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                                                                                                                                                                                                                                                                                                     Human PRO7154 protein.
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                                                                      241 RVA 243
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Grimaldi JC,
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Best Local Si
Matches 243;
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61 FVQPGKFISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYL 120

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Gaps ; 0 1 MAELPGPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWS 60

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MAELPGPFICGALIGFICCLSGLAVEVKVPTEPLSTPIGKTAELTCTYSTSVGDSFALEWS

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181 RLGTFPTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQG 240
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Smith V, Stephan JF, Watanabe CK, Wood WI;
                                                                                                                                                                                                                                 RLGTPPTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQG
                                                                                                   COVNNPPDEYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWV
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         PRO; blood; proliferation; pericyte cell; TNF alpha; chondrocyte; tumour necrosis factor; proliferation; differentiation; gene therapy;
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29-JUN-2001; 2001WO-US021066.
09-APR-2002; 2002US-00119480.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Human PRO7154 protein.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      2003-503301/47.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             tumour necrosis factermal fibroblast.
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                                                                                                                                                                                                                                                                                                                                                            RVA 243
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Grimaldi JC,
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ABJ72473
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ABJ72473
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ABJ72
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DDT 06-NO
DE Human
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03-APR-2003
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                                                                                        120
                                                                                                       FVQPGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYL 120
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Wood WI;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              New transmembrane polypeptides and nucleic acids encoding the polypeptides, useful in gene therapy, in chromosome identification, as chromosome markers, or in generating probes.
                                                                                                                                                                                            FVQPGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYL
                                                                                                                                                                     CQVNNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWV
                                                                                                                                                                                                                                                     RLGTFPTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQG
                                                                                                                                                                                                                                                                                  181 RLGTFPTPSPGSMYQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQG
MAELPGPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   gene therapy;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Gerritsen ME, Goddard A, Godowski E
Smith V, Stephan JF, Watanabe CK,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 chondrocyte stimulation; TNF-alpha stimulation; gene
dermal fibroblast stimulation; tumour; tissue typing;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Human secreted/transmembrane polypeptide PRO 7154.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ABO34368 standard; protein; 327 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Claim 19; Fig 236; 315pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               29-JUN-2001; 2001WO-US021066.
09-APR-2002; 2002US-00119480.
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Grimaldi JC, Gurney AL,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   WPI; 2003-492274/46.
N-PSDB; ACD82293.
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tissue typing. Anti-PRO antibodies are useful in diagnostic assays for PRO and in affinity purification of PRO from recombinant cell culture or natural sources. The present sequence represents the amino acid sequence of a human secreted/transmembrane PRO polypeptide
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Smith V, Stephan JF, Watanabe CK, Wood WI;
                                                                                                                                                                                                                                                                                                    1 MABLPGPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTABLTCTYSTSVGDSFALEWS
                                                                                                                                                                                                                                                                                                                                                       1 MAELPGPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWS
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     CQVNNPPDPYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWV
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                                                                                                                                                                                                                                                    Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Human membrane bound receptor/protein PRO7154 amino acid sequence.
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                                                                                                                                                                                              Length 327;
                                                                                                                                                                                                                                                 0; Indels
                                                                                                                                                                                        99.3%; Score 1277; DB 6;
100.0%; Pred. No. 3.8e-84;
iive 0; Mismatches 0;
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02-WAR-2000; 2000WO-US005841.
01-UUN-2001; 2001WO-US017800.
29-UUN-2001; 2001WO-US021066.
09-APR-2002; 2002US-00119480.
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                                                                                                                                                                                  Query Match
Best Local Similarity 100.
Matches 243; Conservative
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Grimaldi JC, Gurney
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                                                                                                                                     Sequence 327 AA;
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Goddard A, Godowski PJ; phan JF, Watanabe CK, Wood WI;

Gerritsen ME, Goddard Smith V, Stephan JF,

Desnoyers L, C, Gurney AL,

Grimaldi JC,

Baker KP,

2003-644806/61 N-PSDB; ADB83725

(GETH) GENENTECH INC.

01-JUN-2001; 2001WO-US017800. 29-JUN-2001; 2001WO-US021066. 09-APR-2002; 2002US-00119480.

12-AUG-2002; 2002US-00218849

US2003073814-A1. Homo sapiens.

17-APR-2003

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                                                                  This invention relates to one hundred and twenty two novel nucleic acids encoding human PRO membrane bound proteins or receptors. Extracellular proteins play important roles in the formation, differentiation and maintenance of multicellular organisms. The fate of many individual cells (for example proliferation, migration or differentiation) is typically governmed by information received from other cells and the immediate environment. The information is often transmitted by secreted proliferentiation factors, survival factors, cytotoxic factors, differentiation factors, neuropeptides and hormones) which are received and interpreted by diverse cell receptors or membrane bound proteins. These membrane bound proteins and receptors may be of use as pharmaceutical and diagnostic agents, such as in the blocking of receptor ligand interactions. The current invention provides the amino acid sequences of novel human membrane bound receptors and proteins of the invention may have cytostatic acids of the invention may be useful for the manufacture of a medicament for diagnosing or treating a tumour in a mammal. In addition, they may be useful for measurining or detecting the amino expression of a tumour associated gene. The present sequence is the amino acid sequence of a human PRO protein of the invention
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1 MAELPGPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 RLGTFPTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             human; secreted and transmembrane protein; PRO; cytostatic; vulnerary;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1 MAELPGPFLCGALLGFLCLSGLAVEVKVPTBPLSTPLGKTAELTCTYSTSVGDSFALEWS
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99.3%; Score 1277; DB 7; Length 327;
Best Local Similarity 100.0%; Pred. No. 3.8e-84;
Matches 243; Conservative 0; Mismatches 0; Indels (
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Novel human secreted and transmembrane protein PRO7154.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ADB83726 standard; protein; 327 AA.
                                    Claim 11; Fig 236; 315pp; English
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ADB83726
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The invention describes an isolated PRO (secreted and transmembrane)

polypeptide (I). PRO982, PRO1160, PRO1187 or PRO1329 polypeptide are

cousful for stimulating the proliferation of or gene expression in

pericyte cells. PRO323, PRO1232 or PRO4405 polypeptide are useful

for stimulating the proliferation or differentiation of chondrocyte

cells. PRO231, PRO325, PRO1355, PRO1366 or PRO1419 polypeptide

are useful for stimulating the release of tumour necrosis factor (TMP)-

alpha from human blood. PRO982, PRO351, PRO1366, PRO1419 polypeptide

are useful for stimulating the release of tumour necrosis factor (TMP)-

cells. PRO337, PRO525, PRO363, PRO535, PRO1366, PRO1419, PRO1306,

PRO1025, PRO1331, PRO1365, PRO1065, PRO1063, PRO141, PRO11309,

CRO1286, PRO1330, PRO1367, PRO1065, PRO1927, PRO1274, PRO1130,

CRO1286, PRO1330, PRO1387, PRO1409, PRO1273, PRO1279, PRO1341, PRO1338,

CC PRO1887, PRO5928, PRO4341, PRO1801, PRO4333, PRO3444, PRO4322,

CRO9940, PRO6079, PRO9836 or PRO10096 polypeptide are useful for

CR STIMULATING the proliferation of normal human dermal fibroblasts cells.

CR PRO181, PRO5225, PRO7184, or PRO1425 polypeptide are useful for

CR Inhibiting the proliferation of normal human dermal fibroblast cells. PRO

CR Inhibiting the proliferation of normal human dermal fibroblast cells.

CR CR Inhibiting the proliferation of normal human dermal fibroblast cells.

CR CR Inhibiting the proliferation of normal human dermal fibroblast cells.

CR CR Inhibiting the proliferation of normal human dermal dermal dermal cells of the same cell type, where a higher level of expression of the RO778, PRO5778, PRO5778
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              tumour, colon tumour, breast tumour, prostate tumour, rectal tumour or tumour. (I) is useful as molecular weight markers, for tissue typing, or as therapeutic agents. A polynucleotide (II) encoding (I) is useful for chromosome and gene mapping or gene therapy. (II) is useful for generating transgenic animals or knock-out animals which are useful screening useful reagents. PRO357, PRO325, PRO1270 or PRO4405 polypeptide is useful for treating bone and/or cartilage disorders (e.g., arthritis, sport injuries). This is the amino acid sequence of a human secreted and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   61 FVQPGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYL 120
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New PRO polypeptides and nucleic acids encoding the polypeptides, useful in gene therapy, chromosome identification, tissue typing, or as hybridization probes in chromosome and gene mapping.
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100.0%; Pred. No. 3.8e-84;
ive 0; Mismatches 0;
                                                                                                                                                                                                                                Claim 11; Fig 236; 315pp; English
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Best Local Similarity 100.
Matches 243; Conservative
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Sequence 236, Sequence 236,

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Best Local Similarity 100.0%; Pred. No. 1.1e-96;
Matches 245; Conservative 0; Mismatches 0;
         US-10-227-813-236
US-10-227-813-236
US-10-230-434-236
US-10-230-434-236
US-10-219-003-236
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US-10-227-882-236
US-10-227-882-236
US-10-232-232-236
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TITLE OF INVENTION: 31 Human Secreted Proteins FILE REFERENCE: P2032PL CURREY APPLICATION NUMBER: US/09/820,893 CURRENT APPLICATION NUMBER: 09/531,119 PRIOR APPLICATION NUMBER: 09/531,119 PRIOR PILING DATE: 2000-03-20 PRIOR FILING DATE: 1998-10-02 NUMBER OF SEQ ID NOS: 140 SOFTWARE: Patentin Ver: 2.0 SOFTWARE: Patentin Ver: 2.0 SOFTWARE: Patentin Ver: 2.0
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, Sequence 98, Application US/09820893
; Patent No. US20020076705A1
; GENERAL INFORMATION:
ORGANISM: Homo sapiens
US-09-820-893-98
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TYPE: PRT
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Sequence 81, Appl
Sequence 83, Appl
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                                                                                  August 4, 2005, 06:13:42 ; Search time 66.3695 Seconds (without alignments) 1447.018 Million cell updates/sec
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1: /cgn2_6/ptodata/1/pubpaa/US07_PUBCOMB.pep:*

2: /cgn2_6/ptodata/1/pubpaa/PCT NEW PUB.pep:*

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            GenCore version 5.1.6
Copyright (c) 1993 - 2005 Compugen Ltd.
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US-10-607-565-98
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Publication No. US20040048294A1
GENERAL INFORMATION:

APPLICANT: Rosen et al.

TITLE OF INVENTION: 31 Human Secreted Proteins
FILE REFERENCE: P2033P1
CURRENT APPLICATION NUMBER: US/10/607,565
CURRENT FILING DATE: 2003-06-27
PRIOR PILING DATE: 2000-03-20
PRIOR PILING DATE: EARLIER PERLICATION NUMBER: 60/101,546
PRIOR PILING DATE: EARLIER FILING DATE: 1998-09-23
PRIOR PILING DATE: EARLIER FILING DATE: 1998-10-02
NUMBER OF SEQ ID NOS: 140

SOFTWARE: PatentIn Ver: 2.0
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illarity 100.0%; Pred. No. 1.1e-96;
Conservative 0; Mismatches 0;
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                                                                                                                                                                                                                                                                                                                                                        ; OTHER INFORMATION: Xaa equals stop translation US-09-820-893-83
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; OTHER INFORMATION: Xaa equals stop translation

US-10-607-565-83
PRIOR FILING DATE: 2000-03-20
PRIOR APPLICATION NUMBER: 60/102,895
PRIOR FILING DATE: 1998-10-02
NUMBER OF SEQ ID NOS: 140
SOFTWARE: PATENTIN Ver. 2.0
SEQ ID NO 83
LENGTH: 246
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ORGANISM: Homo sapiens
                                                                                                                                                                                                                   TYPE: PRT
ORGANISM: Homo sapiens
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NAME/KEY: SITE
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LOCATION: (246)
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                                          121 CQVNNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWV 180
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; Sequence 98, Application US/10607565
; Publication No. US20040048294A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: 31 Human Secreted Proteins
; FILE REFERENCE: P20331
; CURRENT APPLICATION NUMBER: US/10/607,565
; CURRENT FILING DATE: 2003-06-27
; PRIOR APPLICATION NUMBER: US/09/531,119
; PRIOR FILING DATE: 2000-03-20
; PRIOR FILING DATE: BARLIER FILING DATE: 1998-09-23
; PRIOR PILING DATE: BARLIER FILING DATE: 1998-09-23
; PRIOR FILING DATE: BARLIER FILING DATE: 1998-10-02
; NUMBER OF SEQ ID NOS: 140
; SEQ ID NO 98
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US-09-820-831
US-09-820-833
; Sequence 83, Application US/09820893
; Patent No. US20020076705A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.,
; TITLE OF INVENTION: 31 Human Secreted Proteins
; FILE REFRENCE: PZ033P1
; CURRENT FILING DATE: 2001-03-30
; PRIOR APPLICATION NUMBER: 09/531,119
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          , ORGANISM: Homo sapiens
US-10-607-565-98
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R APPLICATION NUMBER: 60/089538

R FILING DATE: 1998-06-17

R APPLICATION NUMBER: 60/08905

R FILING DATE: 1998-06-24

R APPLICATION NUMBER: 60/09057

R FILING DATE: 1998-06-24

R FILING DATE: 1998-06-27

R FILING DATE: 1998-06-27

R FILING DATE: 1998-06-25

R FILING DATE: 1998-06-26

R FILING DATE: 1998-08-04

R FILING DATE: 1998-08-04

R FILING DATE: 1998-08-04

R FILING DATE: 1998-08-04

R FILING DATE: 1998-08-11

R APPLICATION NUMBER: 60/095318

R FILING DATE: 1998-08-11

R APPLICATION NUMBER: 60/095318

R FILING DATE: 1998-08-11

R APPLICATION NUMBER: 60/096146

R FILING DATE: 1998-08-11

R APPLICATION NUMBER: 60/096791

R APPLICATION NUMBER: 60/097986
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R APPLICATION NUMBER: 60/09598
R FILING DATE: 1998-09-09
R FILING DATE: 1998-09-09
R FILING DATE: 1998-09-10
R FILING DATE: 1998-09-10
R FILING DATE: 1998-09-10
R APPLICATION NUMBER: 60/099811
R FILING DATE: 1998-09-10
R APPLICATION NUMBER: 60/099816
R FILING DATE: 1998-09-10
R APPLICATION NUMBER: 60/099816
R FILING DATE: 1998-09-10
R APPLICATION NUMBER: 60/10038
R FILING DATE: 1998-09-11
R APPLICATION NUMBER: 60/10038
R FILING DATE: 1998-09-11
                                       FILING DATE: 1998-05-22
APPLICATION NUMBER: 60/089532
FILING DATE: 1998-06-17
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APPLICATION NUMBER: 60/098544
FILING DATE: 1998-08-31
APPLICATION NUMBER: 60/099596
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FILING DATE: 1998-09-15
APPLICATION NUMBER: 60/100627
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FILING DATE: 1998-09-24
APPLICATION NUMBER: 60/101741
FILING DATE: 1998-09-24
APPLICATION NUMBER: 60/101786
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APPLICATION NUMBER: 60/106248
FILING DATE: 1998-10-29
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FILING DATE: 1998-09-18
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APPLICATION NUMBER: 60/101477
FILING DATE: 1998-09-23
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APPLICATION NUMBER: 60/101916
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APPLICANT: Goddard, Audrey
APPLICANT: Goddard, Audrey
APPLICANT: Goddard, Audrey
APPLICANT: Goddowski, Paul J.
APPLICANT: Gumaldi, J. Christopher
APPLICANT: Gumaldi, J. Christopher
APPLICANT: Stephan, Jean-Philippe F.
APPLICANT: Stephan, Jean-Philippe F.
APPLICANT: Watanabe, Colin L.
APPLICANT: Watanabe, Colin L.
APPLICANT: Watanabe, Colin L.
TITLE OF INVENTION: SCRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE PRINTY APPLICANTON NUMBER: US/10/227, 884
CURRENT APPLICANTON NUMBER: US/10/19, 480
RIOR FILING DATE: 2002-04-09
RRIOR APPLICANTION NUMBER: 60/063913
RRIOR FILING DATE: 1997-10-13
RRIOR FILING DATE: 1997-10-13
RRIOR FILING DATE: 1997-10-13
RRIOR FILING DATE: 1997-10-13
RRIOR FILING DATE: 1998-03-26
PRIOR FILING DATE: 1998-03-27
PRIOR APPLICATION NUMBER: 60/07928
PRIOR FILING DATE: 1998-03-27
PRIOR APPLICATION NUMBER: 60/09956
PRIOR FILING DATE: 1998-03-27
PRIOR APPLICANTION NUMBER: 60/09956
PRIOR FILING DATE: 1998-03-27
PRIOR APPLICANTION NUMBER: 60/09955
PRIOR PRILING DATE: 1998-03-27
PRIOR PRILING DATE: 1998-03-27
PRIOR APPLICANTION NUMBER: 60/09955
PRIOR PRILING DATE: 1998-03-27
                                                                                                                                                                                                                                                               181 RLGTFPTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQG 240
                                                                                                                                 61 FVQPGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYL 120
                                                                                                                                                                                                                       121 CQVNNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWV 180
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FVQPGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYL
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Gerritsen, Mary
Goddard, Audrey
Godowski, Paul J.
Grimaldi, J. Christopher
Gurney, Austin L.
Smith, Victoria
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Publication No. US20030027988A1
GENERAL INFORMATION:
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APPLICATION NUMBER: 60/085323
FILING DATE: 1998-05-13
APPLICATION NUMBER: 60/085579
FILING DATE: 1998-05-15
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FILING DATE: 1998-04-22
APPLICATION NUMBER: 60/084441
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APPLICANT: Desnoyers, Luc
APPLICANT: Gerritsen, Mar
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DATE: 1998-10-30
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APPLICANT: SEALCH, VICEOTIA
APPLICANT: SEALCH, VICEOTIA
APPLICANT: Stephan, Jean-Philippe F.
APPLICANT: Stephan, Jean-Philippe F.
APPLICANT: Watanabe, Colin L.
APPLICANT: Watanabe, Colin L.
APPLICANT: Wood, William I.
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
TITLE OF INVENTION: ACIDS ENCODING THE SAME
FILE REFERENCE: P3330PIC-92
CURRENT FILING DATE: 2002-04-09
PRIOR APPLICATION NUMBER: 60/069113
PRIOR APPLICATION NUMBER: 60/069113
PRIOR PILING DATE: 1997-10-17
PRIOR PILING DATE: 1997-10-17
PRIOR PILING DATE: 1997-10-13
PRIOR PILING DATE: 1997-10-31
PRIOR PILING DATE: 1998-03-20
PRIOR PILING DATE: 1998-03-20
PRIOR PILING DATE: 1998-03-26
PRIOR PILING DATE: 1998-03-26
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PRIOR PILING DATE: 1998-03-26
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                                                                                                                                 Query Match 99.2%; Score 1277; DB 14; Length 327; Best Local Similarity 100.0%; Pred. No. 8.7e-96; Matches 243; Conservative 0; Mismatches 0; Indels 0
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Sequence 236, Application US/10230163

Sequence 236, Application US/10230163

GENERAL INFORMATION:

APPLICANT: BAEAr, Kevin P.

APPLICANT: Deenoyers, Luc

APPLICANT: Gerritsen, Mary

APPLICANT: Goddard, Audrey

APPLICANT: Goddard, Audrey

APPLICANT: Grimaldi, J. Christopher
PRIOR APPLICATION NUMBER: 60/169495
PRIOR FILING DATE: 1999-12-07
PRIOR APPLICATION NUMBER: 60/169835
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THE APPLICATION NUMBER: 60/082804

RELING DATE: 1998-04-22

REPLICATION NUMBER: 60/08441

RELING DATE: 1998-05-06

RELING DATE: 1998-05-15

REPLING DATE: 1998-06-17

REPLING DATE: 1998-06-18

REPLING DATE: 1998-06-18

REPLING DATE: 1998-06-24

REPLING DATE: 1998-06-24

REPLING DATE: 1998-06-24

REPLING DATE: 1998-06-25

REPLING DATE: 1998-06-25
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**** R PILING DATE: 1998-06-25
*** R PILING DATE: 1998-07-07
*** R PILING DATE: 1998-07-07
*** R PILING DATE: 1998-08-04
*** R PILING DATE: 1998-08-04
*** R PILING DATE: 1998-08-04
*** R PILING DATE: 1998-08-10
*** R PILING DATE: 1998-08-11
*** R PPILICATION NUMBER: 60,096146
*** R PILING DATE: 1998-08-11
*** R PPILICATION NUMBER: 60,096146
*** R PPILING DATE: 1998-08-11
*** R PPILING DATE: 1998-08-11
*** R PPILING DATE: 1998-08-11
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R APPLICATION NUMBER: 60/099811
R APPLICATION NUMBER: 60/099812
R FILING DATE: 1998-09-10
R APPLICATION NUMBER: 60/099812
R FILING DATE: 1998-09-10
R FILING DATE: 1998-09-10
R APPLICATION NUMBER: 60/100038
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APPLICATION NUMBER: 60/097986
FILING DATE: 1998-08-26
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FILING DATE: 1998-08-31
APPLICATION NUMBER: 60/09596
FILING DATE: 1998-09-09
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FILING DATE: 1998-09-15
APPLICATION NUMBER: 60/100390
FILING DATE: 1998-09-15
APPLICATION NUMBER: 60/100627
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FILING DATE: 1998-09-09
APPLICATION NUMBER: 60/099803
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APPLICATION NUMBER: 60/100848
FILING DATE: 1998-09-18
APPLICATION NUMBER: 60/100919
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APPLICATION NUMBER: 60/101477
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APPLICATION NUMBER: 60/101741
FILING DATE: 1998-09-24
APPLICATION NUMBER: 60/101786
FILING DATE: 1998-09-25
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APPLICATION NUMBER: 60/101738
FILING DATE: 1998-04-15
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R FILING DATE: 1998-09-24

R APPLICATION NUMBER: 60/106178

R FILING DATE: 1998-10-29

R FILING DATE: 1998-10-29

R FILING DATE: 1998-10-30

R FILING DATE: 1998-10-30

R APPLICATION NUMBER: 60/106464

R APPLICATION NUMBER: 60/106905

R APPLICATION NUMBER: 60/10801

R FILING DATE: 1998-11-17

R APPLICATION NUMBER: 60/10849

R FILING DATE: 1998-12-22

R APPLICATION NUMBER: 60/113296

R FILING DATE: 1998-12-23

R APPLICATION NUMBER: 60/113296

R FILING DATE: 1998-12-3

R APPLICATION NUMBER: 60/113296

R FILING DATE: 1998-12-3

R APPLICATION NUMBER: 60/11361

R APPLICATION NUMBER: 60/11361

R APPLICATION NUMBER: 60/11361

R APPLICATION NUMBER: 60/115565

R FILING DATE: 1999-01-12

R APPLICATION NUMBER: 60/115565

R FILING DATE: 1999-01-12

R APPLICATION NUMBER: 60/115713

R APPLICATION NUMBER: 60/115715

R APPLICATION NUMBER: 60/125715

R APPLICATION NUMBER: 60/125715

R APPLICATION NUMBER: 60/125715 APPLICATION NUMBER: 60/126773 FILING DATE: 1999-03-29 APPLICATION NUMBER: 60/127887 APPLICATION NUMBER: 60/130232
FILING DATE: 1999-04-05
FILING DATE: 1999-04-21
APPLICATION NUMBER: 60/131022 FILING DATE: 1999-04-27
APPLICATION NUMBER: 60/131445
FILING DATE: 1999-04-28
APPLICATION NUMBER: 60/134287
FILING DATE: 1999-05-14 FILING DATE: 1999-04-26 APPLICATION NUMBER: 60/131270 APPLICATION NUMBER: 60/141037 FILING DATE: 1999-06-23 APPLICATION NUMBER: 60/144758 APPLICATION NUMBER: 60/140650 FILING DATE: 1999-06-22 FILING DATE: 1999-07-20 APPLICATION NUMBER: 60/145698 FILING DATE: 1999-07-26 APPLICATION NUMBER: 60/146222 APPLICATION NUMBER: 60/149320 FILING DATE: 1999-04-27 APPLICATION NUMBER: 60/131291 APPLICATION NUMBER: 60/140723 APPLICATION NUMBER: 60/149638 FILING DATE: 1999-06-22 FILING DATE: 1999-08-03 PRIOR
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61 FVQPGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYL 120
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APPLICANT: Smith, Victoria
APPLICANT: Stephan, Jean-Philippe F.
APPLICANT: Watanabe, Colin L.
APPLICANT: Wood, William I.
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC TITLE OF INVENTION: ACIDS ENCODING THE SAME
FILE REFERENCE: P3530PIC14
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1 MAELPGPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWS
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   PRIOR APPLICATION NUMBER: 60/079294
PRIOR FILING DATE: 1998-03-25
PRIOR PRILOTATION NUMBER: 60/079656
PRIOR PILING DATE: 1998-03-26
PRIOR PLING DATE: 1998-03-27
PRIOR PLING DATE: 1998-03-27
Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 246
SEQ ID NO 236
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100.0%; Pred. No. 8.7e-96;
tive 0; Mismatches 0;
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CURRENT FILING DATE: 2002-08-12
PRIOR APPLICATION NUMBER: 10/119,480
PRIOR PILING DATE: 2002-04-09
PRIOR FILING DATE: 2002-04-09
PRIOR PILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/05287
PRIOR APPLICATION NUMBER: 60/06287
PRIOR PILING DATE: 1997-10-17
PRIOR PILING DATE: 1997-10-18
PRIOR FILING DATE: 1997-10-31
PRIOR FILING DATE: 1997-10-31
PRIOR FILING DATE: 1997-12-17
PRIOR APPLICATION NUMBER: 60/069873
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APPLICANT: Desnoyers, Luc
APPLICANT: Gerritsen, Mary
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, J. Christopher
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 236, Application US/10218631
Publication No. US20030045687A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Matches 243; Conservative
                                                                                                                                                                                                                                                                                                    ; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-230-338-236
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Best Local Similarity
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APPLICANT:
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APPLICANT: Goddard, Audrey
APPLICANT: Goddard, Audrey
APPLICANT: Goddard, Paul J.
APPLICANT: Goddard, J. Christopher
APPLICANT: Grimald, J. Christopher
APPLICANT: Smith, Victoria
APPLICANT: Smith, Victoria
APPLICANT: Watanabe, Colin L.
APPLICANT: Wood, William I.
APPLICANT: DN NUMBER: 10/10/230,338
CURRENT FILING DATE: 2002-04-09
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/062137
PRIOR APPLICATION NUMBER: 60/063549
PRIOR FILING DATE: 1997-10-31
PRIOR PILING DATE: 1997-10-31
PRIOR APPLICATION NUMBER: 60/069873
PRIOR APPLICATION NUMBER: 60/069873
PRIOR PILING DATE: 1997-10-31
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PRIOR FILING DATE: 1999-08-17
PRIOR APPLICATION NUMBER: 60/151733
PRIOR FLING DATE: 1999-08-31
PRIOR APPLICATION NUMBER: 60/164418
PRIOR APPLICATION NUMBER: 60/164418
PRIOR PELING DATE: 1999-11-09
PRIOR APPLICATION NUMBER: 60/169445
PRIOR APPLICATION NUMBER: 60/169445
PRIOR FILING DATE: 1999-12-07
PRIOR FILING DATE: 1999-12-07
PRIOR FILING DATE: 1999-12-07
PRIOR FILING DATE: 1999-12-07
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Gerritsen, Mary
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GENERALI INCRARIATION:

GENERALI INCRARIATION:

APPLICANT: BEARET, Kevin P.

APPLICANT: Cerriten, Mary

APPLICANT: Godowski, Paul J.

APPLICANT: Godowski, Paul J.

APPLICANT: Godowski, Paul J.

APPLICANT: Grimaldi, J. Christopher

APPLICANT: Grimaldi, J. Christopher

APPLICANT: Smith, Victoria

APPLICANT: Smith, Victoria

APPLICANT: Smith, Victoria

APPLICANT: Smith, Victoria

APPLICANT: Watanabe, Colin L.

APPLICANT: Wood, William I.

FILE REFERENCE: P3330PCIII

CURRENT FILING DATE: 10019, 480

PRIOR APPLICATION NUMBER: 60/062287

PRIOR APPLICATION NUMBER: 60/063549

PRIOR FILING DATE: 1997-10-17

PRIOR APPLICATION NUMBER: 60/06349

PRIOR APPLICATION NUMBER: 60/06103

PRIOR APPLICATION NUMBER: 60/06103

PRIOR APPLICATION NUMBER: 60/06103

PRIOR APPLICATION NUMBER: 60/06103

PRIOR APPLICATION NUMBER: 60/06103
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Pred. No. 8.7e-96;
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PRIOR APPLICATION NUMBER: 60/078910
PRIOR PILING DATE: 1998-03-20
PRIOR APPLICATION NUMBER: 60/079294
PRIOR PILING DATE: 1998-03-25
PRIOR PILING DATE: 1998-03-26
PRIOR PILING DATE: 1998-03-26
PRIOR PILING DATE: 1998-03-27
PRIOR PILING DATE: 1998-03-27
Remaining Prior Application data removed - S
NUMBER OF SEQ ID NOS: 246
SEQ ID NO 236
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match
Best Local Similarity 100.
Matches 243; Conservative
                                                                                                                                                                                                                                                                                                                                                                            ; ORGANISM: Homo Sapien
US-10-230-414-236
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JAPPLICANT: Baker, Kevin P.

APPLICANT: Desnoyers, Luc

APPLICANT: Gerriteen, Mary

APPLICANT: Goddard, Auddrey

APPLICANT: Goddard, Auddrey

APPLICANT: Goddard, Auddrey

APPLICANT: Goddard, Audtey

APPLICANT: Grimald, J. Christopher

APPLICANT: Grimald, J. Christopher

APPLICANT: Sath, Victoria

APPLICANT: Sath, Victoria

APPLICANT: Sath, Victoria

APPLICANT: Matanabe, Colin L.

APPLICANT: MOOd, Milliam I.

TITLE OF INVENTION: ACIDS ENCODING THE SAME

FILE REFERENCE: P3530PLC98

CURRENT APPLICATION NUMBER: 10/119,480

PRIOR FILING DATE: 1097-09-17

PRIOR FILING DATE: 1997-10-17

PRIOR PLICATION NUMBER: 60/063287

PRIOR FILING DATE: 1997-10-28

PRIOR PLILING DATE: 1997-10-28

PRIOR APPLICATION NUMBER: 60/063549

PRIOR PLILING DATE: 1997-10-28

PRIOR APPLICATION NUMBER: 60/063973

PRIOR APPLICATION NUMBER: 60/063873

PRIOR PLILING DATE: 1997-12-17
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                FVQPGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYL 120
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         181 RIGIFPTPSPGSMVQDEVSGQLILITNLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQG 240
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Gaps
PRIOR FILING DATE: 1998-03-20
PRIOR APPLICATION NUMBER: 60/079294
PRIOR FILING DATE: 1998-03-25
PRIOR FILING DATE: 1998-03-26
PRIOR FILING DATE: 1998-03-26
PRIOR FILING DATE: 1998-03-27
Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 246
SEQ ID NO 236
LENGTH: 327
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                                                                                                                                                                                                                                                                                                                                                                                                                                           Length 327;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                           Score 1277; DB 14;
Pred. No. 8.7e-96;
                                                                                                                                                                                                                                                                                                                                                                                                                      99.2%; Scott 100.0%; Pred. No. c... 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence 236, Application US/10230414 Publication No. US20030050448A1 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match
Best Local Similarity 100.
Matches 243; Conservative
                                                                                                                                                                                                                                                                                                                    TYPE: PRT
ORGANISM: Homo Sapien
US-10-218-631-236
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Sequence 236, Application US/10218849

| Publication No. US20030073814A1
| GENERAL INFORMATION:
| APPLICANT: BEAKEY. Kevin P. |
| APPLICANT: Desnoyers, Luc |
| APPLICANT: Goddard, Audrey |
| APPLICANT: Goddard, Audrey |
| APPLICANT: Godmald, J. Christopher |
| APPLICANT: Godmald, J. Christopher |
| APPLICANT: Godney, Austin L. |
| APPLICANT: Stephan, Jean-Philippe F. |
| APPLICANT: Shiph, Victoria |
| APPLICANT: Shiph, Victoria |
| APPLICANT: Shiph, Victoria |
| APPLICANT: Stephan, Jean-Philippe F. |
| APPLICANT: Stephan, Jean-Philippe F. |
| APPLICANT: Macanabe, Colin L. |
| APPLICANT: Macanabe, Colin L. |
| APPLICANT: Macanabe, Colin L. |
| APPLICANT: Macanabe, Colin C. |
| APPLICANT: Macanabe, Colin C. |
| APPLICANT: Macanabe, Colin C. |
| APPLICANT: MOOd, Willian L. |
| TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC |
| TITLE OF INVENTION: ACIDS ENCODING THE SAME |
| FILE REFERENCE: PS530PLC11 |
| CURRENT FILING DATE: 2002-08-12 |
| PRIOR FILING DATE: 2002-08-12 |
| PUBLICANT 
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PRIOR APPLICATION NUMBER: 60/069873
PRIOR FILING DATE: 1997-12-17
PRIOR PELICATION NUMBER: 60/078910
PRIOR PLING DATE: 1998-03-25
PRIOR PLING DATE: 1998-03-25
PRIOR PLING DATE: 1998-03-25
PRIOR PLING DATE: 1998-03-25
PRIOR PLING DATE: 1998-03-26
PRIOR PLING DATE: 1998-03-26
PRIOR PLING DATE: 1998-03-26
PRIOR PLING DATE: 1998-03-27
Remaining Prior Application data removed - See File Wrapper or PALM.
SEQ ID NOS: 246
SEQ ID NOS: 246
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TYPE: PRT
ORGANISM: Homo Sapien
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ORGANISM: Homo Sapien
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          61 FVQPGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYL 120
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APPLICANT: Godowski, Paul J.
APPLICANT: Godowski, Daul J. Christopher
APPLICANT: Gurney, Austin L.
APPLICANT: Smith, Victoria
APPLICANT: Smith, Victoria
APPLICANT: Stephan, Jean-Philippe F.
APPLICANT: Watanabe, Colin L.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1 MAELPGPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWS
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    PRIOR FILING DATE: 1997-12-17
PRIOR APPLICATION NUMBER: 60/078910
PRIOR PILING DATE: 1998-03-20
PRIOR FILING DATE: 1998-03-25
PRIOR FILING DATE: 1998-03-25
PRIOR FILING DATE: 1998-03-26
PRIOR FILING DATE: 1998-03-26
PRIOR FILING DATE: 1998-03-27
PRIOR PILING DATE: 1998-03-27
Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER: 0F SEQ ID NOS: 246
SEQ ID NO 236
LENGTH: 327
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CURRENT FILING DATE: 2002-08-09
PRIOR PEDICATION NUMBER: U0/119,480
PRIOR FILING DATE: 2002-04-09
PRIOR FILING DATE: 1997-09-17
PRIOR FILING DATE: 1997-09-17
PRIOR FILING DATE: 1997-10-17
PRIOR PILING DATE: 1997-10-17
PRIOR PILING DATE: 1997-10-17
PRIOR PILING DATE: 1997-10-28
PRIOR APPLICATION NUMBER: 60/063549
PRIOR APPLICATION NUMBER: 60/063549
PRIOR FILING DATE: 1997-10-28
PRIOR FILING DATE: 1997-10-28
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Publication No. US20030069397A1
GENERAL INFORMATION:
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APPLICANT: Desnoyers, Luc
APPLICANT: Gerritsen, Mary
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-232-224-236
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A APPLICATION NUMBER: 60/091982

R FILING DATE: 1998-07-07

R FILING DATE: 1998-09-08

R APPLICATION NUMBER: 60/095302

R APLICATION NUMBER: 60/095318

R APPLICATION NUMBER: 60/095318

R APPLICATION NUMBER: 60/095318

R APPLICATION NUMBER: 60/095916

R FILING DATE: 1998-08-10

R FILING DATE: 1998-08-10

R APPLICATION NUMBER: 60/096146

R FILING DATE: 1998-08-11
                                                                                                                                                                                                                                                                           R FILING DATE: 1998-06-24

R APPLICATION NUMBER: 60/090557

R FILING DATE: 1998-06-24

R FILING DATE: 1998-06-25

R APPLICATION NUMBER: 60/090695

R APLICATION NUMBER: 60/090695
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R APPLICATION NUMBER: 60/100385
R FILING DATE: 1998-09-15
R PILING DATE: 1998-09-15
R FILING DATE: 1998-09-15
R APPLICATION NUMBER: 60/100627
                                                                                                                                                                        APPLICATION NUMBER: 60/089538
FILING DATE: 1998-06-17
APPLICATION NUMBER: 60/089905
FILING DATE: 1998-06-18
APPLICATION NUMBER: 60/090472
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APPLICATION NUMBER: 60/099596
FILING DATE: 1998-09-09
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FILING DATE: 1998-09-10
APPLICATION NUMBER: 60/099812
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APPLICATION UNDBER: 60/100848
FILING DATE: 1998-09-18
APPLICATION NUMBER: 60/100919
                                                                                                                                   APPLICATION NUMBER: 60/089532
FILING DATE: 1998-06-17
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APPLICATION NUMBER: 60/097986
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FILING DATE: 1998-09-09
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FILING DATE: 1998-09-10
APPLICATION NUMBER: 60/100038
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APPLICATION NUMBER: 60/106178
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FILING DATE: 1998-09-23
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                                                                      FILING DATE: 1998-05-15
APPLICATION NUMBER: 60/1
FILING DATE: 1998-05-22
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APPLICANT: Watanabe, Colin L.
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC TITLE OF INVENTION: ACIDS ENCODING THE SAME
FILE SPERENCE E. 2302-08-26
FILE APPLICATION NUMBER: US/10/227,873
CURRENT APPLICATION NUMBER: US/10/39,80
PRIOR FILING DATE: 2002-04-09
PRIOR FILING DATE: 1997-09-17
PRIOR PRILING DATE: 1997-00-17
PRIOR PLILNG DATE: 1997-10-17
PRIOR FILING DATE: 1997-10-28
PRIOR FILING DATE: 1997-10-28
PRIOR FILING DATE: 1997-12-17
PRIOR APPLICATION NUMBER: 60/063549
PRIOR FILING DATE: 1997-12-17
PRIOR PLILNG DATE: 1997-12-17
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PRIOR PLILNG DATE: 1997-12-17
PRIOR PLILNG DATE: 1998-03-26
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Grimaldi, J. Christopher
Gurney, Austin L.
Smith, Victoria
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APPLICATION NUMBER: 60/082804
FILING DATE: 1998-04-22
APPLICATION NUMBER: 60/084441
FILING DATE: 1998-05-06
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APPLICATION NUMBER: 60/081955
        Best Local Similarity 100.0%; P. Matches 243; Conservative 0;
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APPLICANT: Desnoyers, Luc
APPLICANT: Gerritsen, Mary
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Publication No. US20
GENERAL INFORMATION:
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PRIOR FILING DATE: 1999-11-16
RIOR APPLICATION NUMBER: 60/169445
PRIOR FILING DATE: 1999-12-07
PRIOR APPLICATION NUMBER: 60/169495
PRIOR FILING DATE: 1999-12-07
PRIOR PLICATION NUMBER: 60/16995 RVA 243 III RVA 243 241 61 121 181 241 ઠે ద ઠે 임 ઠે 셤 ò 셤 ò 셤

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R APPLICATION NUMBER: 60/081819

R PILING DATE: 1998-04-15

R PILING DATE: 1998-04-22

R APPLICATION NUMBER: 60/08441

R PILING DATE: 1998-05-06

R PILING DATE: 1998-05-13

R PILING DATE: 1998-05-13

R PAPLICATION NUMBER: 60/085579

R PILING DATE: 1998-06-13

R APPLICATION NUMBER: 60/085579

R PILING DATE: 1998-06-17

R APPLICATION NUMBER: 60/089532

R PILING DATE: 1998-06-17

R APPLICATION NUMBER: 60/089538

R FILING DATE: 1998-06-17

R APPLICATION NUMBER: 60/089538

R FILING DATE: 1998-06-17

R APPLICATION NUMBER: 60/090557

R PILING DATE: 1998-06-17

R PLING DATE: 1998-06-24

DR APPLICATION NUMBER: 60/090557

R PILING DATE: 1998-06-24

DR APPLICATION NUMBER: 60/090557

R PILING DATE: 1998-06-25

R PILING DATE: 1998-06-25

DR PILING DATE: 1998-06-25 APPLICATION NUMBER: 60/095318 FILING DATE: 1998-08-04 APPLICATION NUMBER: 60/095916 FILING DATE: 1998-08-10 APPLICATION NUMBER: 60/096146 APPLICATION NUMBER: 60/098544 FILING DATE: 1998-08-31 APPLICATION NUMBER: 60/099596 FILING DATE: 1998-09-10
APPLICATION NUMBER: 60/099811
FILING DATE: 1998-09-10
AAPPLICATION NUMBER: 60/099812
FILING DATE: 1998-09-10 APPLICATION NUMBER: 60/099816 FILING DATE: 1998-09-10 APPLICATION NUMBER: 60/100038 FILING DATE: 1998-09-11 APPLICATION NUMBER: 60/097986 FILING DATE: 1998-08-26 FILING DATE: 1998-09-09
APPLICATION NUMBER: 60/099598
FLING DATE: 1998-09-09
APPLICATION NUMBER: 60/099803 APPLICATION NUMBER: 60/100848 FILING DATE: 1998-09-18 APPLICATION NUMBER: 60/100919 APPLICATION NUMBER: 60/100385 FILING DATE: 1998-09-15 APPLICATION NUMBER: 60/100390 FILING DATE: 1998-09-15 APPLICATION NUMBER: 60/100627 FILING DATE: 1998-09-16 APPLICATION NUMBER: 60/101477 FILING DATE: 1998-09-23 APPLICATION NUMBER: 60/101738 FILING DATE: 1998-09-24 APPLICATION NUMBER: 60/096791 FILING DATE: 1998-08-17 FILING DATE: 1998-03-27 LING DATE: 1998-08-11 1998-09-17 PRIOR
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R APPLICATION NUMBER: 60/101916

R APPLICATION NUMBER: 60/101916

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R FILING DATE: 1998-09-24

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R FILING DATE: 1998-10-29

R FILING DATE: 1998-10-29

R APPLICATION NUMBER: 60/106464

R FILING DATE: 1998-10-30

R APPLICATION NUMBER: 60/106905

R APPLICATION NUMBER: 60/108901

R FILING DATE: 1998-11-17

R FILING DATE: 1998-11-17

R APPLICATION NUMBER: 60/108801

R FILING DATE: 1998-11-17

R APPLICATION NUMBER: 60/108801

R APPLICATION NUMBER: 60/108801

R PILING DATE: 1998-11-17 NR APPLICATION NUMBER: 60/112422

NR FILING DATE: 1998-12-15

NR APPLICATION NUMBER: 60/113296

NR FILING DATE: 1998-12-22

NR APPLICATION NUMBER: 60/113605

NR APPLICATION NUMBER: 60/113613

NR APPLICATION NUMBER: 60/113621

NR FILING DATE: 1998-12-23

NR APPLICATION NUMBER: 60/11558

NR FILING DATE: 1999-01-12

NR APPLICATION NUMBER: 60/11556 APPLICATION NUMBER: 60/101786 FILING DATE: 1998-09-25 FILING DATE: 1999-01-12 APPLICATION WINBER: 60/115733 FILING DATE: 1999-01-12 APPLICATION NUMBER: 60/119549 FILING DATE: 1999-02-10 APPLICATION NUMBER: 60/123618 FILING DATE: 1999-03-10 APPLICATION NUMBER: 60/125259 FILING DATE: 1999-03-19 APPLICATION NUMBER: 60/125775 FILING DATE: 1999-03-23 APPLICATION NUMBER: 60/126773 FILING DATE: 1999-03-29 APPLICATION NUMBER: 60/127887 FILING DATE: 1999-04-05 FILING DATE: 1999-04-26 APPLICATION NUMBER: 60/131270 FILING DATE: 1999-04-27 APPLICATION NUMBER: 60/131291 FILING DATE: 1999-04-27 APPLICATION NUMBER: 60/131445 FILING DATE: 1999-04-28 APPLICATION NUMBER: 60/134287 FILING DATE: 1999-05-14 APPLICATION NUMBER: 60/140650 APPLICATION NUMBER: 60/130232 FILING DATE: 1999-04-21 APPLICATION NUMBER: 60/131022 FILING DATE: 1999-06-22 APPLICATION NUMBER: 60/140723 APPLICATION NUMBER: 60/144758 APPLICATION NUMBER: 60/145698 FILING DATE: 1999-07-28
APPLICATION NUMBER: 60/146963 APPLICATION NUMBER: 60/141037 APPLICATION NUMBER: 60/146222 FILING DATE: 1999-07-26 1999-06-22 FILING DATE: 1999-06-23 1999-07-20 FILING DATE: PRILOR PR PRIOR PRIOR PRIOR

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APPLICANT: BAKET, Kevin P.
APPLICANT: Desnoyers, Luc
APPLICANT: Geritten, Mary
APPLICANT: Godwaki, Paul J.
APPLICANT: Godwaki, Paul J.
APPLICANT: Grimaldi, J. Christopher
APPLICANT: Grimaldi, J. Christopher
APPLICANT: Grimaldi, J. Christopher
APPLICANT: Swith, Victoria
APPLICANT: Swith, Victoria
APPLICANT: Sephan, Jean-Philippe P.
APPLICANT: Wood, Milliam I.
APPLICANT: Wood, Milliam I.
APPLICANT: Wood, Milliam I.
APPLICANT: Wood, William I.
APPLICANT: PRING DATE: 2002-08-14
PRIOR FILING DATE: 1997-09-17
PRIOR FILING DATE: 1997-09-17
PRIOR FILING DATE: 1997-10-17
PRIOR FILING DATE: 1997-10-13
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PRIOR FILING DATE: 1999-08-03
PRIOR APPLICATION NUMBER: 60/149320
PRIOR PILING DATE: 1999-08-17
PRIOR PILING DATE: 1999-08-17
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PRIOR PILING DATE: 1999-08-31
PRIOR APPLICATION NUMBER: 60/16418
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PRIOR PILING DATE: 1999-11-09
PRIOR FILING DATE: 1999-11-16
PRIOR FILING DATE: 1999-11-16
PRIOR PILING DATE: 1999-12-07
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Publication No. US20030078379A1
GENERAL INFORMATION:
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PRIOR APPLICATION NUMBER: 60/069873
PRIOR FILING DATE: 1997-12-17
PRIOR APPLICATION NUMBER: 60/079910
PRIOR FILING DATE: 1998-03-20
PRIOR FILING DATE: 1998-03-25
PRIOR FILING DATE: 1998-03-25
PRIOR FILING DATE: 1998-03-26
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REMAING PAPLICATION NUMBER: 60/079728
PRIOR FILING DATE: 1998-03-27
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Job time : 67.3695 secs
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US-10-219-076-236
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4, 2005, 05:53:15; Search time 75.0264 Seconds (without alignments) 1268.128 Million cell updates/sec August Run on:

1 MAELPGPFLCGALLGFLCLS.....SCELTLSVTEPSQGRVAELX US-10-607-565-83 1287 Title: Perfect score: Sequence:

246

BLOSUM62 Gapop 10.0 , Gapext 0.5 Scoring table:

2105692 seqs, 386760381 residues Searched:

2105692 Total number of hits satisfying chosen parameters:

seq length: 0 seq length: 2000000000 Minimum DB E Maximum DB E

Post-processing: Minimum Match 0% Maximum Match 100% Listing first 45 summaries

geneseqp2002s:* geneseqp2003as:* A Geneseq 16Dec04:* geneseqp1980s:* geneseqp1990s:* geneseqp2000s:* geneseqp2001s:* Database :

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

geneseqp2003bs:* geneseqp2004s:*

SUMMARIES

		Bec	Sec	Bid	pro	Bec	pol	PRO	PRO	hum	hum	PRO	PRO	Sec	mem	hum	hum	hum	hum	PRO	hum	PRO	PRO	hum	hun	PRO
	u o	Human	Human	Human	Human	Human	Human	Human	Human	Novel	Novel	Human	Human	Human	Human	Novel	Novel	Novel	Novel	Human	Novel	Human	Human	Novel	Novel	Нишап
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## ALIGNMENTS

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Human; secreted protein; cytostatic; anti-proliferative; vulnerary; immunosuppressive; antibacterial; diagnosis; immune system; chemotaxis; hyperproliferative disorder; infectious disease; tissue regeneration; ecreening; food additive; preservative; wound healing;
                                                                   Human secreted protein sequence encoded by gene 13 SEQ ID NO:97.
                                                                                                                                                                                                                                                         PE,
                                                                                                                                                                                                                                                        Young
                                                                                                                                                                                                                                                       Lafleur DW,
                                                                                                                         hyper-vascular disease; chromsome 11.
                 AAB08940 standard; protein; 245 AA
                                                                                                                                                                                             99WO-US022012.
                                                                                                                                                                                                             98US-0101546P.
98US-0102895P.
                                                                                                                                                                                                                                        (HUMA-) HUMAN GENOME SCI INC.
                                                   (first entry)
                                                                                                                                                          WO200017222-A1.
                                                                                                                                         Homo sapiens.
                                                                                                                                                                                             22-SEP-1999;
                                                                                                                                                                                                             23-SEP-1998;
02-OCT-1998;
                                                   30-AUG-2000
                                                                                                                                                                           30-MAR-2000.
                                  AAB08940;
RESULT 1
         AAB08940
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Ruben SM,

Rosen CA, Duan RD, Shi Y, s G, Endress GA, Soppet DR; Komatsoulis G,

ت. '; ž.

WPI; 2000-283538/24.

Human secreted proteins and coding sequences useful in diagnostic and therapeutic methods for disorders such as immune system or proliferative disorders, related to the proteins.

Disclosure; Page 40; 416pp; English.

The polynucleotide sequences given in AAA39052 to AAA39088 encode the human secreted proteins given in AAB08891 to AAB08984. The human secreted proteins can have activities based on the tissues and cells they are expressed in. Examples of the activities are: cytostatic; anti-proliferative; immunosuppressive; antibacterial; and vulnerary. The secreted proteins and thear related polynucleotide sequences are useful for diagnostic and therapeutic methods useful for diagnostic and the secreted proteins. The proteins, and

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polynucleotide sequences may be useful for treating disorders of the fimune system, hyperproliferative disorders, infectious disease, regeneration of tissues, for chemotaxis and for screening molecules that bind to the proteins. The proteins or polynucleotide sequences may be used as food additives or preservatives, to increase or decrease storage capabilities, fat content, lipid, protein, carbohydrate, vitamins, minerals, co-factors or other nutritional components. Agonists or antagonists of the protein may be used to prevent scar tissue growth during wound healing, and hyper-vascular diseases. AAA39043 to AAA39051 and AAB08890 are sequences used in the exemplification of the present
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                                                                                                                                                                                                                                                                                                                                                                  PVQPGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYL
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                                                                                                                                                                                                                       Score 1286; DB 3;
Pred. No. 6.1e-85;
                                                                                                                                                                                                            99.9%; Scor.
100.0%; Pred. No. v...
0; Mismatches
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ss GA, Soppet DR;
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98US-0102895P
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Best Local Similarity 100.
Matches 245; Conservative
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N-PSDB; AAA39087.
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02-OCT-1998;
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                                                                                                                                                               nvention
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The polynuclectide sequences given in AAA39052 to AAA39088 encode the human secreted proteins given in AAB0891 to AAB08984. The human secreted proteins given in AAB08991 to AAB08984. The human secreted proteins given in AB08891 to AAB08984. The human secreted proteins can have activities based on the tissues and calls they are expressed in. Examples of the activities are: cytostatic, anti-
cytostative; immunosuppressive; antibacterial; and vulnerary. The proliferative; immunosuppressive; antibacterial; and vulnerary. The colidagnostic and their pected proteins. The proteins, and disorders related to the secreted proteins. The proteins, and colynucleotide sequences may be useful for treating disorders of the immune system, hyperproliferative disorders, infectious disease, regeneration of tissues, for chemotaxis and for screening molecules that used as food additives or preservatives, to increase or decrease storage capabilities, fat content, lipid, protein, carbohydrate, vitamins, antibactors or the proteins may be used to prevent scar tissue growth christy wound healing, and hyper-vascular diseases. AAA39043 to AAA39051 and AAB08890 are sequences used in the exemplification of the present
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             Human secreted proteins and coding sequences useful in diagnostic and therapeutic methods for disorders such as immune system or proliferative disorders, related to the proteins.
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100.0%; Pred. No. 6.1e-85;
ive 0; Mismatches 0;
                                                                                                       Claim 11; Page 376-377; 416pp; English.
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muscular dystrophy.

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human signal peptide-containing proteins HSPP-1 to HSPP-134. HSPPs have anticannest, anti-inflammatory, antimicrobial, nootropic, hepstatotropic, cardiovascular and antisathmatic activities, and can be used in gene therapy. HSPPs can be used to treat or prevent disorders associated with decreased activity or function of HSPP. Antagonists of HSPP are used to treat or prevent disorders associated with increased activity or function of HSPP. Such diseases include cell proliferation (including cancer), inflammation, cardiovascular, neurological, reproductive or developmental disorders, (e.g. arteriossis, congestive or including cancer), inflammation, cardiovascular, neurological, reproductive or developmental disorders, (e.g. arteriossis, congestive or cirrhosis, psoriasis, acquired immume deficiency syndrome, anaemia, asthma, Crohn's disease, microbial or other infections, congestive or isohamen hased for the recombinant production of HSPP, for diseases, schizophrenia, ovulatory defects, muscular dystrophy). HSPP nucleic acids can be used for the recombinant production assays (for dispossis and monitoring), in gene therapy, as antisense, triplex-forming or ribozyme therapeutics, for detecting related sequences or genetic variations, and for chromosomal mapping. HSPP are also used to raise (potential therapeutic agents). Ab are used to diagnose, or monitor, HSPP contental diseases (in usual immunoassays), as therapeutic antagonists, in competitive drug screens, and for purification of HSPP from natural
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                New human signal peptide-containing proteins useful in treatment, prevention and diagnosis of e.g. cancer, inflammation and cardiovascular disease.
                                                                                                                                                                                                                                                                                                                       Gorgone GA, Corley NC, Guegler KJ, Baughn MR; Young J, Yue H, Patterson C, Reddy R, Hillman JL;
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98US-0094983P.
98US-0102686P.
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N-PSDB; AAZ98136.
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Akerblom IE, Au
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                                                        WO200000610-A2.
                     Homo sapiens.
                                                                                                                                    25-JUN-1999;
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hydrophobic domains. The DNA sequences can be used as a probe or as a genetic marker. The protein can also be used as a marker, and to identify potential genetic disorders. The DNA and protein can also be used as nutritional sources or supplements. The protein exhibits cytokine, cell proliferation, cell differentiation activities and induces production of other cytokines in certain cell populations. The protein also exhibits immune stimulating or immune suppressing activity. It can be used in the treatment of various immune deficiencies and disorders, and to treat
                                                                                                                                                                                                                                                                                                                                            Human protein, hydrophobic domain; nutritional source; haematopolesis; cytokine production; cell proliferation; cell differentiation; mimune deficiency; infectious disease; autoimmune disorder; asthma; multiple sclerosis; systemic lupus errythematosus; rheumatoid arthritis; allergic reaction; osteoporosis; osteoarthritis; periodontal disease; huntington's disease; hurtington's disease; hurtington's disease; liver fibrosis; lung fibrosis; reperfusion injury; systemic cytokine damage; tissue differentiation; contraceptive; stroke; coagulation disorder; myocardial infarction; inflammatory condition; septic shock; sepsis; ischaemia; reperfusion injury; arthritis; tumour;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Novel human proteins having hydrophobic domains useful for treating osteoporosis, Alzheimer's disease, Parkinson's disease, asthma, multiple sclerosis, rheumatoid arthritis, cancer, anemia, and stroke.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 infectious diseases caused by viral, bacterial, fungal or other infections. The protein is also used for treating autoimmune disorders such as multiple sclerosis, systemic lupus exthematosus, and rheumatoid arthritis. It is also useful in the treatment of allergic reactions and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              conditions such as asthma, and in immune suppression after organ transplantation. The protein is useful in regulation of haematopoiesis and consequently in the treatment of myeloid or lymphoid cell
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         This sequence represents a human protein of the invention, which has
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Claim 1; Page 183-184; 351pp; English.
                                                                                                                                                                                            AAY94857 standard; protein; 327 AA.
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98JP-00238116.
98JP-00254736.
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                                                                                                                                                                                                                                                                                                            Human protein clone HP10568.
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                                                        RVA
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99US-0149327P

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deficiencies. It is also used in compositions for tissue growth or regeneration. The protein is also used in the treatment of osteoporosis or osteoparthitis and in the treatment of periodontal disease and other tooth repair processes. The protein is used in the treatment of nervous system disorders such as Alzheimer's disease, Parkinson's disease, and Huntington's disease. They are useful for protection or regeneration and treatment of lung or liver fibrosis, reperfusion injury in various also used for promoting or inhibiting from systemic cytokine damage. They are also used as contraceptives since they exhibit activin or inhibin related activities and as a fertility inducing therapeutic. They are used for treating various coagulation disorders and in treatment and prevention of conditions resulting from coagulation activities e.g. myocardial infarction or stroke. They also acts as receptors, receptor ligands or inhibitors or agonists of receptor/ligand interactions. They are used to treat inflammatory conditions such as septic shock, sepsis, ischaemia treperfusion injury, arthritis, and nephritis. They can be used to prevent
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                                                                                                                                                                                                                                                                                                                                                                                                                                  Gaps
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99US-0144790P.
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99US-0149320P.
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03-AUG-1999;
10-AUG-1999;
17-AUG-1999;
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This sequence is a human PRO protein of the invention. The PRO proteins are secreted proteins. Antagonists or antibodies of PRO polypeptides are useful for diagnosing and treating tumours or eseful for diagnosing and treating tumours are associated with gene amplification, neoplastic cell growth and proliferation in mammals, and those conditions characterised by overexpression and/or activation of the amplified genes. Such conditions include benign or malignant tumours (e.g. renal, liver, kidney, bladder, breast, gastric, ovarian, colorectal, prostate, pancreatic, lung, vulval, thyroid, hepartic carcinomas, sarcomas, glioblastomas neuronal, glial, astroid, hepartic carcinomas, sarcomas, glioblastomas neuronal, glial, astroid, hepartic chypothalamic, and other glandular, macrophageal, epithelial, stromal and blastococlic disorders, and inflammatory, angiogenic and immunologic disorders. These may further be used to qualitatively or quantitatively detect the expression of proteins encoded by the amplified genes, and in tumour diagnostics or prognostics. The PRO polypeptide or its antagonist or condition, which is responsive to the PRO polypeptide, its antagonist or
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                                                                                                                                           Wood
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                                                                                                                                           Smith V, Watanabe CK,
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                                                                                                                                               Gurney AL,
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                                                                                                                                                                                                                                                                                                            Claim 61; Fig 12; 143pp; English.
               99US-0149396P.
99US-0150114P.
99US-0151700P.
99US-0151734P.
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                                                                                                                                           Goddard A,
                                                                                                                                                                                                                                                                        proliferation in mammals.
                                                                                                       (GETH ) GENENTECH INC.
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                 17-AUG-1999;
20-AUG-1999;
31-AUG-1999;
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                                                                     31-AUG-1999;
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**RVA 243** 

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AAU83709 standard; protein; 327 AA
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                                                                            RESULT
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                                                                                                                                The invention relates to novel genes (ABL89449-ABL90853) and proteins (ABB89040-ABB90444) useful for preventing, treating or ameliorating medical conditions e.g. by protein or gene therapy. The genes are isolated from a range of human tissues disclosed in the specification. The nucleic acids, proteins antissues disclosed in the specification. The nucleic acids, proteins antissues disclosed in the specification. The diagnosis, treatment and prevention of: (a) cancer, e.g. breast and ovarian cancer and other cancers of the adrenal gland, bone, bone marrow, breast, gastrointestinal tract, lung, or urogenital; (b) immune disorders e.g. Addison's disease, allergies, autoimmune haemolytic anaemia, autoimmune thyroiditis, diabetes mellitus, Crohn's disease, multiple sclerosis, rheumatoid arthritis and ulcerative colitis; (c) cardiovascular disorders such as myocardial ischaemias; (d) wound healing; (e) neurological diseases e.g. cerebral anoxia and epilepsy; and (f) infections diseases e.g. cerebral anoxia and epilepsy; and (f) infections. Note: The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format directly from WIPO at ftp.wipo.int/published_pct_sequences
                                Cytostatic; immunosuppressive; nootropic; neuroprotective; antiviral; antiallergic; hepatotropic; antidiabetic; antiinflammatory; antiulcer; vulnerary; anticonvulsant; antibacterial; antifungal; antibarasitic; cardiant; gene therapy; cancer; immune disorder; cardiovascular disorder; neurological disease; infection; human; secreted protein.
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Pred. No. 3.8e-84;
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100.0%; Pre-
Human polypeptide SEQ ID NO 2730.
                                                                                                                                                                                                                                                                                              19-MAY-2000; 2000US-0205515P.
                                                                                                                                                                                                                                                           18-MAY-2001; 2001WO-US016450.
                                                                                                                                                                                                                                                                                                                                  (HUMA-) HUMAN GENOME SCI INC.
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                                                                                                                                                                                                                                                                                                                                                                     Birse CE, Rosen CA;
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                                                                                                                                                                                                                     29-NOV-2001
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One hundred and twenty two nucleic acids encoding PRO polypeptides, useful for treating a PRO related disorder and for diagnosing tumors such as lung cancer, colon cancer, breast tumor, prostate tumor, rectal tumor or liver tumor.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Wood WI;
                                                                                                                  Human; secreted protein; PRO; tumour; lung cancer; colon cancer;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Godowski PJ;
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Smith V, Stephan JF, Watanabe CK,
                                                                                                                                              breast cancer; prostate tumour; rectal tumour; liver tumour; pericyte cell proliferation; tumour necrosis factor-alpha.
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                                                          PRO protein, Seg ID No 236.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    25-JUL-2000; 2000US-0220585P.
25-JUL-2000; 2000US-0220605P.
25-JUL-2000; 2000US-0220607P.
25-JUL-2000; 2000US-022064P.
25-JUL-2000; 2000US-0220664P.
25-JUL-2000; 2000US-0220664P.
25-JUL-2000; 2000US-0220664P.
26-JUL-2000; 2000US-0220669P.
28-JUL-2000; 2000US-0220893P.
28-JUL-2000; 2000US-0222455P.
22-AUG-2000; 2000US-0221435P.
23-AUG-2000; 2000US-0221435P.
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10-NOV-2000; 2000WO-US036873.
28-NOV-2000; 2000US-0253646P.
01-DEC-2000; 2000WO-US032678.
20-DEC-2000; 2000WO-US034956.
20-DEC-2000; 2000WO-US034956.
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2000US-0220585P.
2000US-0220605P.
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(first entry)
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                                                                                                                                                                                                                                                                      Homo sapiens.
08-MAY-2002
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Grimaldi
                                                          Human
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liver tumour. The PRO polypeptides are useful for stimulating the proliferation of, or gene expression, in pericyte cells, for stimulating the proliferation or differentiation of chondrocyte cells, for stimulating stimulating the proliferation or differentiation of chondrocyte cells, for stimulating the release of tumour necrosis factor-alpha from human blood, for stimulating or inhibiting the proliferation of normal human dermal fibroblast cells. The PRO polypeptide may also be used as modecular weight markers and for tissue typing. The PRO nucleic acids have applications in molecular biology, including use as hybridisation probes, and in chromosome and gene mapping. AAU83592-AAU83713 represent human PRO protein sequences of the invention
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Smith V, Stephan JF, Watanabe CK, Wood WI;
                                                                                                                                                                                                                                                                                                                                      MARLPGPPLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTABLTCTYSTSVGDSFALEWS
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2001WO-US021066.
2002US-00119480.
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                                                                                                                                                                                                                                                                                    Matches 243; Conservative
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Grimaldi JC, Gurney AL,
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N-PSDB; ACA66958.
                                                                                                                                                                                                                                                                 Local Similarity
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                                                                                                                                                                                                                      Sequence 327 AA;
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29-JUN-2001;
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                                                                                        The present invention relates to the isolation of novel human PRO polypeptides, and the polynucleotide sequences encoding them. The PRO polypeptides are secreted and transmembrane proteins. The PRO polypeptides and polynucleotides are useful for preparing a medicament useful in the diagnostic assays for PRO, by detecting its expression in specific cells, tissues or serum, and for affinity purification of PRO from recombinant cell culture or natural sources. ABUS0739-ABUS0860 represent the human PRO polypeptides of the invention. Note: The sequence data for this patent was obtained in electronic format directly from the USPTO web site at sequence USPTO web site at sequence USPTO web site at sequence bolypeptides.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         COVNNPPDFYTNGLGLINLTVLVPPSNPLCSOSGQTSVGGSTALRCSSSEGAPKPVYNWV 180
                                                                                                                                                                                                                                                                                                                                                                                                                                                            FVQPGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYL 120
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                             FVQPGKPISESHPILYFTNGHLYPTGSKSKRKVSLLQNPPTVGVATLKLTDVHPSDTGTYL
                                                                                                                                                                                                                                                                                                                                                                                                                1 MAELPGPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWS
One hundred and twenty two nucleic acids encoding PRO polypeptides, useful for the manufacture of a medicament for diagnosing or treating
                                                                                                                                                                                                                                                                                                                                                               Gaps
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                                                                                                                                                                                                                                                                                                                             Length 327;
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100.0%; Pred. No. 3.8e-84;
ive 0; Mismatches 0;
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                                                                Claim 11; Fig 236; 314pp; English.
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29-JUN-2001; 2001WO-US021066
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                                                                                                                                                                                                                                                                                                                                                                243; Conservative
                                                                                                                                                                                                                                                                                                                              Query Match
Best Local Similarity
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                                                                                                                                                                                                                                                                                                Sequence 327 AA;
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(first entry)

25-JUN-2003

ABU82165;

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The invention describes an isolated nucleic acid molecule comprising a sequence with at least 80% identity to: (a) a nucleotide encoding any of 122 PRO (secreted and transmembrane) polypeptides whose sequences are fully defined in the specification; or (b) any of 122 nucleotide comprised in the specification; or (b) any of 122 nucleotide sequences having e.g. 4834, 2504 or 1759 bp fully defined in the sequences. The PRO polypeptides or polynucleotides are useful comparable to a pharmaceuticals, diagnostice, biosensors or polynucleotides are useful as pharmaceuticals, diagnostice, biosensors or polynucleotides are useful as pharmaceuticals, prostate tumour, rectal tumour, or liver tumour) or the mammal, for stimulating the release of TNF-alpha from human blood, for stimulating the proliferation or differentiation of chondrocyte cells, for stimulating proliferation or differation. The PRO nucleic acid or polypeptide is also useful for treating tumours or various bone and/or cartilage disorders (e.g. sports injuries or arthritis), or wounds. The PRO polypeptides are useful in drug screening, particularly as targets certening libraries of human conformation probes, or for choromosome calso useful as molecular weight markers, or for chromosome calso useful man energe and in gene therapy, particularly for replacing a defective conformance of a novel human secreted and conformance of a novel human secreted and conformance conf
                                                                                                                                                                                                                                                                                   genes, and its encoded secreted and transmembrane polypeptides, ill for stimulating Tumor Necrosis Factor alpha, or chondrocyte or cyte proliferation, especially for treating lung tumors, arthritis or
                                                                                                               Goddard A, Godowski PJ;
phan JF, Watanabe CK, Wood WI;
                                                                                                                  Gerritsen ME, Goddard /
Smith V, Stephan JF,
                                                                                                                                                                                                                                                                                                                                                                                                                                 Claim 11; Fig 236; 314pp; English.
09-APR-2002; 2002US-00119480.
                                                                                                               Desnoyers L,
                                                      (GETH ) GENENTECH INC.
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                                                                                                                                                                                                                                                                                                                                               pericyte prolifera
wounds in a mammal
                                                                                                                                                                                                                               N-PSDB; ACD68710
                                                                                                            Baker KP, De
Grimaldi JC,
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FVQPGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYL 120 CQVNNPPDFYTNGLGLINLTVLVPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWV 180 FVQPGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYL 120 COVNNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWV 180 1 MAELPGPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWS 1 MAELPGPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWS RIGTPPTPSPGSMVQDEVSGQL1LTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQG Gaps ö Length 327; Indels 99.2%; Score 1277; DB 6; 100.0%; Pred. No. 3.8e-84; iive 0; Mismatches 0; Matches 243; Conservative Local Similarity Sequence 327 AA; **RVA 243** 19 121 181 241 181 Query Match 윤 8 ઠ 名 δ 셤 ð 셤 8

9

240

ABU82165 standard; protein; 327 AA.

**RVA 243** 

241

RESULT 10 ABU82165 ID ABU8

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Human; secreted and transmembrane protein; PRO; cardiant; cytostatic; antiangiogenic; hypotensive; vulnenry; antiarteriosclerotic; gene therapy; cardiovascular disorder; endothelial disorder; angiogenic disorder; cardiac hypertrophy; trauma; cancer; age-related macular degeneration; atherosclerosis; hypertension; atterial restenosis; rhumancid arthritis; angina; mycoardial infarction; thrombophlebitis; lymphangitis; tumour angiogenesis; breast carcinoma; liver carcinoma; wound healing; chromosome mapping; gene mapping.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         The invention describes one hundred and eighty seven nucleic acids encoding novel human secreted and transmembrane (PRO) polypeptides. The PRO nucleic acids, polypeptides, agonists and antagonists are useful for treating or diagnosing a cardiavascular, endotholial or angiogenic disorder in a mammal, e.g. cardiac hypertrophy, trauma, cancer, ageralated macular degeneration, atherosclerosis, hypertension, arterial restenosis, rheumatoid arthritis, angina, myocardial infarctions, thrombophlebitis, lymphangitis, tumour angiogenesis (such as breast carcinoma and liver carcinoma) and wound healing. The PRO nucleic acids have applications in molecular biology, including use as hybridisation probes, and in chromosome and gene mapping. This is the amino acid sequence of a novel human secreted and transmembrane PRO polypeptide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Gerritsen ME, Goddard A, Godowski PJ;
Smith V, Stephan JF, Watanabe CK, Wood WI;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  CQVNNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWV
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         FVQPGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              COVINIPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWV
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           MAELPGPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWS
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             One hundred and eighty seven nucleic acids encoding PRO polypeptides, useful in diagnosis and treatment of cardiovascular (e.g. myocardial infarction), endothelial or angiogenic disorders in a mammal.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           99.2%; Score 1277; DB 6; Length 327; 100.0%; Pred. No. 3.8e-84;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Indels
                                                                                          Novel human secreted and transmembrane protein PRO7154.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ö
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0; Mismatches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                            25-JUL-2000; 2000US-0220664P.
01-JUN-2001; 2001WO-US017800.
29-JUN-2001; 2001WO-US021066.
09-APR-2002; 2002US-00119480.
                                                                                                                                                                                                                                                                                                                                                                                                                        12-AUG-2002; 2002US-00219003
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hes 243; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Desnoyers L,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (GETH ) GENENTECH INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        2003-393229/37.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 327 AA;
                                                                                                                                                                                                                                                                                                                                            US2003088063-A1.
                                                                                                                                                                                                                                                                                                        Homo sapiens.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Baker KP, De
Grimaldi JC,
                                                                                                                                                                                                                                                                                                                                                                                  08-MAY-2003.
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241
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                The invention relates to a novel isolated nucleic acid encoding a fully defined PRO polypeptide. The molecules of the invention may be useful for stimulating proliferation or gene expression in pericyte cells or the release of TNF-alpha from human blood. Other possible uses include the stimulation or inhibition of chondrocyte proliferation or differentiation, the stimulation of human dermal fibroblast cell proliferation and the detection of the presence of a tumour within a mammal. Furthermore, the nucleic acid may be useful for the manufacture of a medicament for diagnosing or treating a tumour within a mammal or for measuring or detecting the expression of an associated gene, as well as during gene therapy. The current sequence is that of the human PRO protein of the invention
240
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      New nucleic acid encoding for a PRO protein, useful for the manufacture of a medicament for diagnosing or treating tumors or for measuring or detecting expression of an associated gene.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           MI;
RLGTFPTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQG
                 181 RIGTFPTPSPGSMVQDEVSGQLILINLSLTSSGTYRCVATNOMGSASCELTLSVTEPSQG
                                                                                                                                                                                                                                                                                                         PRO; proliferation; pericyte cell; TNF-alpha; blood; chondrocyte; differentiation; dermal fibroblast; tumour; gene therapy; cytostatic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Goddard A, Godowski PJ;
phan JF, Watanabe CK, Wood
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     99.2%; Score 1277; DB 6; Length 327; 100.0%; Pred. No. 3.8e-84; ive 0; Mismatches 0; Indels 0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Gerritsen ME, Goddard
Smith V, Stephan JF,
                                                                                                                                                                           ABJ72345 standard; protein; 327 AA.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         01-JUN-2001; 2001WO-US017800.
29-JUN-2001; 2001WO-US021066.
09-APR-2002; 2002US-00119480.
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                                                                                                                                                                                                                                            06-NOV-2003 (first entry)
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les 243; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Baker KP, Desnoyers L,
Grimaldi JC, Gurney AL,
                                                                                                                                                                                                                                                                            Human PRO7154 protein.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (GETH ) GENENTECH INC.
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                                                             RVA 243
                                                                                             RVA 243
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                                                                                                                                                                                                                                                                                                                                                                                           US2003050448-A1
                                                                                                                                                                                                                                                                                                                                                              Homo sapiens,
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181
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61 FVQPGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYL 120

1 MAELPGPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWS 60

1 MAELPGPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWS

Best Loca Matches

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Gaps

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The invention relates to a novel isolated PRO protein encoding nucleic acid. The nucleic acid of the invention may be useful for preparing PRO polypeptides and anti-PRO antibodies for detecting the presence of a tumour in a mammal. Furthermore, the molecules of the invention may be useful for stimulating proliferation or gene expression in pericyte cells, the release of tumour necrosis factor (TNF)-alpha from human blood, the proliferation or differentiation of chondrocyte cells and for inhibiting the proliferation of normal human dermal fibroblast cells. Finally, the molecules may be utilised during gene therapy. The current sequence is that of the human PRO protein of the invention
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Gerritsen ME, Goddard A, Godowski PJ;
Smith V, Stephan JF, Watanabe CK, Wood WI;
                                                                         121 CQVNNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWV
                                                                                                                                              181 RLGTFPTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQG
                                                                                                                           RLGTFPTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQG
                                                     COVNNPPDEYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWV
                                                                                                                                                                                                                                                                                                                                                                                                                                                                PRO; blood; proliferation; pericyte cell; TNF alpha; chondrocyte; tumour necrosis factor; proliferation; differentiation; gene therapy;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               New PRO protein encoding nucleic acid, useful for preparing PRO polypeptides and anti-PRO antibodies for detecting the presence of
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                                                                                                                                                                                                                                                                                                                         ABJ72473 standard; protein; 327 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Claim 11; Fig 236; 324pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                01-JUN-2001; 2001WO-US017800.
29-JUN-2001; 2001WO-US021066.
09-APR-2002; 2002US-00119480.
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                                                                                                                                                                                                                                                                                                                                                                                             (first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                               Human PRO7154 protein.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   dermal fibroblast.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    tumor in a mammal
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                                                                                                                                                                                                                         241 RVA 243
                                                                                                                                                                                               RVA 243
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Grimaldi JC,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Homo sapiens.
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Gaps

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. PJ; Wood WI;

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61 FVQPGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYL 120
 tissue typing. Anti-PRO antibodies are useful in diagnostic assays for PRO and in affinity purification of PRO from recombinant cell culture or natural sources. The present sequence represents the amino acid sequence of a human secreted/transmembrane PRO polypeptide
                                                                                                                                                                                                                                                                                                                                                                                 181 RLGTFPTPSPGSMVQDEVSGQLILINLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQG
                                                                                                                                                                      1 MABLPGPFLCGALLGFLCLSGLAVBVKVPTEPLSTPLGKTABLTCTYSTSVGDSFALEWS
                                                                                                                                                                                          1 MAELPGPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWS
                                                                                                                                                                                                                                     FVQPGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYL
                                                                                                                                                                                                                                                                                                   COVNNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWV
                                                                                                                                                                                                                                                                                                                               121 COVNNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWV
                                                                                                                                                                                                                                                                                                                                                                 RLGTFPTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               One hundred and twenty two nucleic acids encoding PRO polypeptides, useful for the manufacture of a medicament for diagnosing or treating
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Human membrane bound receptor/protein PRO7154 amino acid sequence.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Human; PRO; membrane bound protein; membrane bound receptor; cell proliferation; cell migration; cell differentiation; mitogenic factor; avrvival factor; cytotoxic factor factor; differentiation factor; neuropeptide; hormone; cell receptor; receptor-ligand interaction; cytostatic; chondrocyte; tumour.
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phan JF, Watanabe CK,
                                                                                                          99.2%; Score 1277; DB 6; Length 327; 100.0%; Pred. No. 3.8e-84; ive 0; Mismatches 0; Indels
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Smith V, Stephan JF,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ABJ72175 standard; protein; 327 AA.
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02-MAR-2000; 2000WO-US005841
01-JUN-2001; 2001WO-US017800
29-JUN-2001; 2001WO-US021066
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                                                                                                                          Best Local Similarity 100.
Matches 243; Conservative
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                                                                            Sequence 327
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                                                                                                            Query Match
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                                                                                                                                                                                                    The invention relates to an isolated nucleic acid encoding a PRO polypeptide. Nucleic acids that encode PRO can be used to generate either transgenic animals or knock-out animals useful in developing and screening of therapeutically useful reagents. The nucleic acids may also be used in gene therapy for replacing defective gene, in chromosome identification, as chromosome markers, or in generating probes to isolate full length PRO CDNA. The PRO polypeptides are useful for chondrocyte stimulation, TNF-alpha stimulation, human dermal fibroblasts stimulation polypeptides are useful as molecular markers for protein electrophoresis and the isolated nucleic acids may be used for recombinantly expressing those markers. The PRO polypeptides and nucleic acids may also be used in
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Goddard A, Godowski PJ;
phan JF, Watanabe CK, Wood WI;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           88
                                                         MAELPGPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWS
                  MAELPGPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWS
                                                                                                                       CQVNNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWV
                                                                                                                                                                                    RIGIFPIPSPGSMVQDEVSGQLILITNLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     chondrocyte stimulation; TNP-alpha stimulation; gene therapy; lermal fibroblast stimulation; tumour; tissue typing;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      New transmembrane polypeptides and nucleic acids encoding the polypeptides, useful in gene therapy, in chromosome identification, chromosome markers, or in generating probes.
                                                                                                                                                                                                                                                                                                                                                                                                                                                        secreted/transmembrane polypeptide PRO 7154.
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Smith V, Stephan JF,
                                                                                                                                                                                                                                                                                                                                                            ABO34368 standard; protein; 327 AA.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             01-JUN-2001; 2001WO-US017800.
29-JUN-2001; 2001WO-US021066.
09-APR-2002; 2002US-00119480.
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affinity purification
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useful

The invention describes an isolated PRO (secreted and transmembrane)

Claim 11; Fig 236; 315pp; English.

New PRO polypeptides and nucleic acids encoding the polypeptides, in gene therapy, chromosome identification, tissue typing, or as hybridization probes in chromosome and gene mapping.

Goddard A, Godowski PJ; shan JF, Watanabe CK, Wood WI;

Gerritsen ME, Goddard Smith V, Stephan JF,

Desnoyers L,

Baker KP, De Grimaldi JC,

WPI; 2003-644806/61. N-PSDB; ADB83725.

(GETH ) GENENTECH INC.

01-JUN-2001; 2001WO-US017800. 29-JUN-2001; 2001WO-US021066. 09-APR-2002; 2002US-00119480.

12-AUG-2002; 2002US-00218849.

US2003073814-A1

17-APR-2003.

Homo sapiens.

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                                                                     proteins play important roles in the formation, differentiation and maintenance of multicellular organisms. The fate of many individual cells for the formation, differentiation and maintenance of multicellular organisms. The fate of many individual cells (for example proliferation, migration or differentiation) is typically governed by information received from other cells and the immediate environment. The information is often transmitted by secreted polypeptides (for example mitogenic factors, survival factors, cytotoxic factors, differentiation factors, neuropeptides and hormones) which are received and interpreted by diverse cell receptors on membrane bound proteins. These membrane bound proteins and receptors may be of use as proteins. These membrane bound proteins and receptors and proteins of receptor rigan interpreted by diverse cell receptors and proteins of receptor requences of novel human membrane bound receptors and proteins, along with the CDNA sequences encoding them. The novel proteins of the invention may have cytostatic activations the proteins of the chondrocytes. The nucleic acids of the invention may be useful for the manufacture of a medicament for diagnosing or treating a tumour in a mammal. In addition, they may be useful for measuring or detecting the amino expression of a tumour associated gene. The present sequence is the amino end sequence of a human PRO protein of the invention
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                                                           This invention relates to one hundred and twenty two novel nucleic acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   human; secreted and transmembrane protein; PRO; cytostatic; vulnerary; antiarthritic; pericyte cell proliferation; antiarthritic; pericyte cell differentiation; chondrocyte cell proliferation; chondrocyte cell differentiation; tumour necrosis factor alpha release; (TNF) -alpha release; dermal fibroblast cell proliferation; dermal fibroblast cell differentiation inhibitor; tumour; lung tumour;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1 MABLPGPFLCGALLGFLCLSGLAVEVKVPTBPLSTPLGKTAELTCTYSTSVGDSFALEWS
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liver tumour; tissue typing; chromosome mapping; gene mapping;
                                                                                                                                                                                                                                                                                                                                                                                                                                      Length 327;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Novel human secreted and transmembrane protein PRO7154.
                                                                                                                                                                                                                                                                                                                                                                                                                                     99.2%; Score 1277; DB 7;
100.0%; Pred. No. 3.8e-84;
iive 0; Mismatches 0;
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                              Claim 11; Fig 236; 315pp; English
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Matches 243; Conservative
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CC The invention describes an isolated RPO (secreted and transmembrane)

CC polypeptide (1). PR0982, PR01160, PR01187 or PR01329 polypeptide are useful for stimulating the proliferation of or gene expression in percyte cells. PR0357, PR0229, PR02130 or PR04405 polypeptide are useful for stimulating the proliferation of differentiation of chondrocyte for stimulating the pr01165 PR0136 or PR0149 polypeptide are useful for stimulating the release of tumour necrosis factor (TNP).

CC cells PR0231, PR0357, PR0351, PR03105, PR03136, PR03130, PR03134, PR03134, PR03134, PR03137, PR03136, PR03131, PR03137, PR03136, PR03131, PR03137, PR03137, PR03136, PR03131, P
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317	316.5	31	312	312	m	m	ě	30	30			5	

## ALIGNMENTS

PRELIMINARY, PRT; 327 AA.  1-2001 (TrEMBLrel. 19, Created) 1-2004 (TrEMBLrel. 19, Last sequence update) 1-2004 (TrEMBLrel. 28, Last annotation update) and immunoglobulin domain containing 2 (CTH Variant). 8162; ORFNAmes-UNQ2770;	C ENCARACIA; Metazoa; Chordata; Craniata; Vertebrata; Enteleostomi; Mammalia; Entheria; Primates; Catarrhini; Hominidae; Homo.  X NCBI_TaxID=9606; NCBI_TaxID=9606; NCBI_TaxID=9606; NCBI_TaxID=9606; NCBI_LNE=2238825; PubMed=12477932; DOJ=10.1073/pnas.242603899; Strausberg R.L., Feingold E.A., Grouse L.H., Derge J.G., Schuler G.D., Altachul S.F., Zeeberg B., Buetcow K.H., Schaefer C.F., Bhat N.K., Diatchenko L., Marusina K., Farmer A.A., Rubin G.M., Hong L., A Hopkins R.F., Jordan H., Moore T., Max S.I., Wang J., Haish F., Diatchenko L., Marusina K., Farmer A.A., Rubin G.M., Hong L., A Brownstein M.J., Usdin T.B., Poenlayd G.M., Abramson R.D., Mullahy S.J., Stapleton M., Soares M.B., Peters G.J., Abramson R.D., Mullahy S.J., A Robardson R.D., Mullahy S.M., Villalon D.K., Muzny D.M., Sodergren E.J., Lu X., Gaby L.J., Hulyk S.W., Villalon D.K., Muzny D.M., Sodergren E.J., Lu X., Gaby L.J., Hulyk S.W., Villalon D.K., Muzny D.M., Sodergren E.D., Dickson M.C., Backing S.J., Marram M.A., Green E.D., Dickson M.C., Rodrigues A.C., Grimwood J., Schwuchenko Y., Boutfard G.G., Marram M.A., Green E.D., Dickson M.C., Rodrigues A.C., Grimwood J., Schwurz J., Marram M.A., Generation and initial analysis of more than 15,000 full-length human T. and mouse cDNA sequences. T. Schnerch A., Schnerch A., Schaefer J. Grimwood J., Schwurz J., Marram M.A., Generation and initial analysis of more than 15,000 full-length human T. Brottor MGC Project;  Jobmitteed (MAY-2001) to the EMBL/GenBank/DDBJ databases.  Jordan M. A. Chaw B. Chui C., Crowley C., Currell B., Douel B., Douel B., Douel B., Douel B., Douel B., L., Haldens S., Mednin B., Chwa B., Chui C., Growley C., Currell B., Dohnson S., Lee J., Lewis L., Liao D., Marx M., Robbie E., Sanchez C., Schoenfeld J., Senhagiri S., Simmons L., Singh J., Santhy V., Schoen J., Vallanos C., Wandend D., Wander D., Wander C., Schoenfeld J., Schweit L., Liao D., Wander D., Wander C., Stander S., Wanden D., Wander	
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1 961Q7 961Q7 1-DEC 1-DEC 5-OCT -set	Eukaryota; Metazoa; Chikaryota; Mammalia; Eutheria; F. NCBL Tax1D=9666; SEQUENCE FROM N.A. TISSUE=COLON; MEDLINE=22388557; Pub Strausberg R.L., Tein Strausberg R.L., Tein Altschul S.F., Jordan Diatchenko L., Marusi Stapleton M.J., Ugdi Brownstein M.J., Ugdi Brownstein M.J., Ugdi Brownstein M.J., McEwan P. Michards S.A., McEwan P. Michards S.A., McEwan P. Michards S.J., Morley K. Milalon D.K., Muzny Fahey J., Helton E., Whiting M.M., Madan A., Blakesley R.W., Touch Rodriguez A.C., Grimw Kzzywinski M.I., Skal Jones S.J., Marra M.A. "Generation and initiand mouse cDNA sequen and mouse cDNA sequentation and initiand mouse cDNA sequence FROM N.A. TISSUE—COLON; Director MGC Project; Submitted (MAY-2001) [13] SEQUENCE FROM N.A. MEDLINE=22887296; Pub Clark H.F., Gurney A. Chen J., Chow B., Chu Baton D., Roster J., Huang A., Kim H.S., K Lewis L., Liao D., Ma Seshagiri S., Simmons Yandlen R., Watanabe Yi S., Yu G., Yuan J.	Godowski P.;
RESULT 10 096107 10 00 10 DT 00 DT 01 00 00 NA	0000	æ

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taurus sus scrofa 7

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NNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWVRLG 180
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                                                                                                                                                                                                                                                                                             PGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYLCQV 120
                                                                                                                                                                                                                                                                                                                                   123 NNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWVRLG 182
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TPPTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPPQGRVA 240
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 243 GALIGVLIGVLICSVAAFCLVRPQKERGKKPKETYGGSDLREDAIAPGISEHTCMRADSS 302
                                                                                                                                                                                                                                                                                                                                                                                                                                   NNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWVRLG 180
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                                                                                                                                                                                                    4 LPGPFLCGALLGFLCLX-LAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDTFALEWSFVQ 62
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01-0CT-2000 (TrEMBLrel. 15, Last sequence update)
01-0CT-2003 (TrEMBLrel. 25, Last annotation update)
Hypothetical profess.
Hymo sapiens (Human).
Bukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
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A Nakamura Y., Isogai T., Sugano S.;
Submitted (FEB-2000) to the EMBL/GenBank/DDBJ databases.
R EMBL; AKO0460; BAA91179.1; -..
R INSP; 0809192; IP97.
R InterPro; IPR003109; Ig.-c2.
R Pfam; PF00047; ig.; 1.
R SWART; SM00408; IG.c2.
R Pfam; PF00048; IG.c2.
R PROSITE; PSSG0835; IG LIKE; 2.
SEQUENCE 284 AA; 29829 MW; IF9E09C60856B9A9 CRC64;
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                              Length 325;
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99.6%; Pred. No. 1.8e-94;
ive 0; Mismatches 1; Indels
                                                                                                Indels
                           96.9%; Score 1632; DB 2;
97.8%; Pred. No. 2.7e-106;
iive 2; Mismatches 3;
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Best Local Similarity 99.6
Matches 280; Conservative
                           Query Match
Best Local Similarity 97.8
Matches 317; Conservative
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MEDINES-99077161; PubMed-9862345;
MEDINES-99077161; PubMed-9862345;
DOI=10.1002/(SICI)1521-4141(199812)28:12<4094::AID-IMMU4094>3.3.CO;2-U;
Chretien I., Marcuz A., Courtet M., Katevuo K., Vainio O., Heath J.K.,
White S.J., Du Pasquier L.;
"CTX, a Xenopus thymocyte receptor, defines a molecular family
Conserved throughout vertebrates.";
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                    effort to identify novel human secreted and transmembrane proteins: a bioinformatics assessment.";
bioinformatics assessment.";
belone Res. 13:2265-2200(2003).

EMBL; BC007313, AA407313.1; -.

EMBL; AX35897; AAQ89256.1; -.

HSSP; 088792; IF97.

GO, GO:0004872; F:receptor activity; IEA.

InterPro; IRR07110; Ig-like.

Pfam; PP00047; ig; IG_LIKE; 2.

SEQUENCE 327 AA, 34348 MW; CF395AC7EF951AC1 CRC64;
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Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Homo.
NCBI_TaxID=9606;
"The secreted protein discovery initiative (SPDI), a large-scale
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Indels
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GO; GO:0005887; C:integral to plasma membrane; TAS.

GO; GO:0005624; C:membrane fraction; TAS.

InterPro; IPR007110; Ig-1ike.

InterPro; IPR003598; Ig_c2.
                                                                                                                                                                                                                                                                                                                                                                                                                            99.5%; Score 1677; DB 2;
99.7%; Pred. No. 1.9e-109;
iive 0; Mismatches 1;
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WE MEDLINE 99077161; PubMed=9862345;

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WITHE S.J., Du Pasquier L.;

White S.J., Du Pasquier L.;

A CTX, a Xenopus thymocyte receptor, defines a molecular family for served throughout vertebrates.";

R. CTX, a Xenopus thymocyte receptor, defines a molecular family for served throughout vertebrates.";

R. Eur. J. Immunol. 28.4094.4104(1998).

B. EMBL; AF0611024; AAD17524.1; -..

DR HSSP; 088792; 1897.

B. MGP; MGI:1928009; 22104118P10Rik.

DR MGP; MGI:1928009; 194.

B. MGP; MGI:192809; 194.

B. MGP; MGI:19280939; 104.

B. MGP; MGI:192809; 105.

B. MGP; MGI:192809; 105.

B. MGGFTE; PS00299; 10
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Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi;
Mammalia, Eutheria, Rodentia, Sciurognathi, Muridae, Murinae, Mus.
NCBI_TaxID=10090;
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                                                                                                         281
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(TrEMBLrel. 10, Last sequence update)
(TrEMBLrel. 26, Last annotation update)
                                                                                                   GALIGVLLGVLLLSVAAFCLVRFQKERGKKPKETYGGSDLR
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Matches 256; Conservative
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01-MAY-1999 (
01-MAR-2004 (
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Arakawa T., Azawa K., Akahira S., Akimura T., Arai A., Aono H.,
A Arakawa T., Bono H., Carninci P., Fukuda S., Fukunishi Y., Furuno M.,
A Hanagaki T., Hara A., Hayatsu N., Hiramoto K., Hiraoka T., Hori F.,
I mortani K., Ishii Y., Itoh M., Izawa M., Kosukawa T., Kato H.,
A Kawai J., Kojima Y., Konno H., Kouda M., Koya S., Kurihara C.,
A Kawai J., Kojima Y., Konno H., Nomura K., Numazaki R., Ohno M.,
A Rawai J., Nokido T., Owa C., Saito R., Sakai C., Sakai K.,
A Sano H., Sasaki D., Shibata K., Shibata Y., Shinagawa A., Sakai K.,
A Sano H., Sasaki D., Shibata W., Shibata Y., Shinagawa A., Sakai K.,
A Sobbe Y., Suzuki H., Tagami M., Tagawa A., Takahashi F., Tanaka T.,
A Tejima Y., Toya T., Yamamura T., Yasunishii A., Yoshida K., Yoshino M.,
A Tejima Y., Toya T., Yamamura T., Yasunishii A., Yoshida K., Yoshino M.,
A Submitted (JUL-2000) to the EMBL/GenBank/DDBJ databases.
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SEQUENCE FROM N.A.

SEQUENCE FROM N.A.

SEQUENCE TISSUE=Stomach;

MEDINE=C053013; Pubmed=11076861; DOI=10.1101/gr.152600;

Shibata K., Itoh M., Aizawa K., Nagaoka S., Sasaki N., Carninci P.,

Konno H., Akiyama J., Nishi K., Kitsunai T., Tashiro H., Itoh M.,

Sumi N., Ishii Y., Nakamura S., Hazama M., Nishine T., Harada A.,

Yamamoto R., Matsumoto H., Sakaguchi S., Ikegami T., Kashiwagi K.,

Pujiwake S., Inoue K., Togawa Y., Izawa M., Ohara E., Watshiki M.,

Yoneda Y., Ishikawa T., Ozawa K., Tanaka T., Matsuura S., Kawai J.,

A Okazaki Y., Muramatsu M., Inoue Y., Kira A., Hayashizaki Y.;

RIKEN integrated sequence analysis (RISA) system-384-format

sequencing pipeline with 384 multicapillary sequencer.";
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           STRAIN=CS7BL/6J; TISSUE=Stomach; MEDLINE=20499374; PubMed=11042159; DOI=10.1101/gr.145100; Carninci P., Shibata Y., Hayatsu N., Sugahara Y., Shibata K., Itoh M., Konno H., Okazaki Y., Muramatsu M., Hayashizaki Y.; Nuramatsu M., Hayashizaki Y.; Normalization and subtraction of cap-trapper-selected cDNAs to prepare full-length conA libraries for rapid discovery of new genes."; Genome Res. 10:1617-1630(2000).
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                                                                                                                                                                                                                                                                                                                STRAIN=CS7BL/6J; TISSUE=Stomach; MEDLINE=9279253; PubMed=10349636; DOI=10.1016/S0076-6879(99)03004-9; Carninci P., Hayashizaki Y.; Hidh-efficiency Full-length cDNA cloning."; Meth. Enzymol. 303:19-44(1999).
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STRAIN=CSTBL/6J; TISSUE=Stomach;
STRAIN=CSTBL/6J; TISSUE=Stomach;
The FANTOM Consortium,
the RIKEN Genome Exploration Research Group Phase I & II Team;
"Analysis of the mouse transcriptome based on functional annotation of 60,770 full-length cDNAs.";
Nature 420:563-673(2002).
                                                                                                                                                                                                    Craniata; Vertebrata; Euteleostomi;
Sciurognathi; Muridae; Murinae; Mus.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            "Functional annotation of a full-length mouse cDNA collection."; Nature 409:685-690(2001).
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STRAIN=CS7BL/6J; TISSUE=Stomach;
MEDLINE=21085660; PubMed=11217851; DOI=10.1038/35055500;
RIKEN FANTOM Consortium;
                                      01-JUN-2001 (TrEMBLrel. 17, Created)
01-JUN-2001 (TrEMBLrel. 17, Last sequence update)
01-JUN-2004 (TrEMBLrel. 26, Last annotation update)
Mus musculus adult male stomach cDNA, RIKEN full-length (library, clone:2210413P10 product:CTM homolog (Fragment)
Name=2210413P10Rik;
  304 AA.
  PRT;
                                                                                                                                                                                               Bukaryota; Metazoa; Chordata;
Mammalia; Butheria; Rodentia;
NCBI_TaxID=10090;
PRELIMINARY;
                                                                                                                                                                              Mus musculus (Mouse)
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STRAINE-GFBL/6J; TISSUE-Whole body;
The FANTOM Consortium,
The RANTOM Consortium,
The RIKEN Genome Exploration Research Group Phase I & II Team;
The RIKEN Genome Exploration Research Group Phase I & II Team;
"Analysis of the mouse transcriptome based on functional annotation of 60,770 full-length cDNAs.";
Nature 420:563-573 (2002).
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01-JUN-2001 (TrEMBLrel. 17, Last sequence update)
01-OT-2003 (TrEMBLrel. 25, Last annotation update)
Mus musculus 18-day embryo whole body CDNA, RIKEN full-length enriched
11brary, clone:119004B15 product:CTM homolog.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TPPTPSPGSMVQDEVSGQLILINLSLTSSGTYRCVATNQMGSASCELTLSVTEPPQGRVA
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             GALIGVLLGVLLLSVAAFCLVRFQKERGKKPKETYGGSDLREDAIAPGISEHTCMRADSS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    STRAIN=CS7BL/60; TISSUE=Whole body;

MEDLINE=99279253; PubMed=10349636; DOI=10.1016/S0076-6879(99)03004-9;

Carninci P., Hayashizaki Y.;

High-efficiency full-length cDNA cloning.";

Meth. Enzymol. 303:19-44(1999).
                                                                                                                                                                                                                                                                                                                           1 LPGPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWSFVQ
                                                                                                                                                                                                                                                                                Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Mus musculus (Mouse).

Bukaryota; Metazoa; Chordata; Craniata; Vertebrata; Buteleostomi;

Mammalia; Butheria; Rodentia; Sciurognathi; Muridae; Musinae; Mus.

NCBI_TaxID=10090;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  "Functional annotation of a full-length mouse cDNA collection."; Nature 409:685-690(2001).
                                                                                                                                                                                                                                                                                ö
                                                                                                                                                                                                                                     Length 304;
                                                                                                                                                                                                                                                                                Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                SEQUENCE FROM N.A.
STRAIN-C57BL/6J; TISSUE-Whole body;
MEDLINE=21085660; PubMed=11217851; DOI=10.1038/35055500;
RIKEN FANTOM CORSORTIUM;
                                                                                                                                                                                           31919 MW; 522BA38898AD7A9F CRC64;
                                                                                                                                                                                                                                                                                33;
                                                                                                                                                                                                                                     77.4%; Score 1305; DB 2;
                                                                                                                                                                                                                                                          %; Pred. No. 1.9e-83, 17; Mismatches 33
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  248
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                PRT;
                                 MGD; MGT:1928009; 2210413P10Rik.
InterPro; IPR007110; Ig-1ike.
InterPro; IPR003596; Ig-v.
Endern; PP00047; ig; 1.
SMART; SM00406; IGv; 1.
PROSITE; PS50835; IG LIKE; 2.
EMBL; AK008920; BAB25968.1; -. HSSP; O88792; 1F97.
                                                                                                                                                                                                                                                            83.3%;
                                                                                                                                                                                                                                                          Best Local Similarity 83.3
Matches 250; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                PRELIMINARY;
                                                                                                                                                                      304
                                                                                                                                                                    NON TER 304
SEQUENCE 304 AA;
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                                                                                                                                                                                                                                     Query Match
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SEQUENCE FROM N.A.

SEQUENCE FROM N.A.

Adachi J., Alzawa K., Akahira S., Akimura T., Arai A., Aono H.,

Adachi J., Alzawa K., Akahira S., Fukunishi Y., Furuno M.,

Arakawa T., Bono H., Carninci P., Fukuda S., Fukunishi Y., Furuno M.,

Hanagaki T., Hara A., Hayateu N., Hiramoto K., Hiraoka T., Hori F.,

Imotani K., Ishii Y., Itoh M., Izawa M., Kasukawa T., Kato H.,

Kawai J., Kojima Y., Konno H., Kouda M., Koya S., Kurihara C.,

Matsuyama T., Miyazaki A., Nishi K., Nomura K., Numazaki R., Ohno M.,

Okazaki Y., Okido T., Owa C., Saito R., Sakai C., Sakai K.,

Sano H., Sasaki D., Shibata K., Shibata Y., Shinagawa A., Shiraki T.,

Rogabe Y., Suzuki H., Tagami M., Tagawa A., Takahashi F., Tanaka T.,

Tejima Y., Yonido T., Yamamura T., Yasunishi A., Yoshida K., Yoshino M.,

Muramatsu M., Hayashlzaki Y.;

Bubmitted (Juli-2000) to the EMBL/GenBank/DDBJ databases.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     61 PGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYLCQV 120
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TPPTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPPQGRVA 240
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     45 NNPPDFYTNGLGLINLTVLVPPSHPLCSQSGQTSVGGSAALGCRSSEGAPKPVYNWERLG 104
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                                                                                                                                                                                                                                                                                     PEQUENCE FROM N.A.

SEQUENCE FROM N.A.

SEQUENCE FROM N.A.

SEQUENCE FROM N.A.

SEQUENCE FROM N.A.

SILDATE S.C. 1 Itoh M., Alzawa K., Nagaoka S., Sasaki N., Carninci P., Shibata K., Itoh M., Alzawa K., Nagaoka S., Sasaki N., Carninci P., Shibata K., Itoh M., Nishi K., Kitsunai T., Tashiro H., Itoh M., Sumi N., Ishii Y., Nakamura S., Hazama M., Nishine T., Hardama A., Yamamoto R., Mateumoto H., Sakaguchi S., Ikegami T., Kashiwagi K., Pujiwake S., Inoue K., Togawa Y., Izawa M., Ohara E., Watahiki M., Pujiwake S., Inoue K., Togawa Y., Tinaka T., Matsuura S., Kawai J., Okazaki Y., Muramatsu M., Inoue Y., Kira A., Hayashizaki Y., Cawa K., Tanaka T., Matsuura S., Kawai J., Okazaki Y., Muramatsu M., Inoue Y., Kira A., Hayashizaki Y.; Sequencing pipeline with 384 multicapillary sequencer.";
STRAIN=CS7BL/6J; TISSUB=Whole body;
MEDILINE=20499374; PubMed=110421S9; DOI=10.1101/gr.145100;
MEDILINE=20499374; PubMed=110421S9; DOI=10.1101/gr.145100;
MEDILINE=20499374; PubMed=11042480 N., Sugahara Y., Shibata K., Itoh M., Konno H., Okazaki Y., Muramatsu M., Hayashizaki Y.;
Normalization and subtraction of cap-trapper-selected cDNAs to prepare full-length cDNA libraries for rapid discovery of new genes."; Genome Res. 10:1617-1630(2000).
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 28; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            KGFLERPSSASTVTTTKSKLPMVV 324
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MGD; MGI:1928009; 2210413P1DR1k.
INCEPERO; 1PR007110; 1G-11ke.
InterPro; 1PR003598; 1G_C2.
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Matches 202; Conservative
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64

66 SESHPI-LYFT-NGHLYPTGSKSKRVSLLONPPTVGVATLKLTDVHPSDTGTYLCQVNNP 123

9 FLILSCLAGQVSVVQVTIPDGFVNVTVGSNVTLICIYTTTVASREQLSIQWSFFHK----

183 PTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNOMGSASCELTLSVTEPPOGRVAGA

PDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWVRL-GTF

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KELLEKSPCASTMTTTKSKLSMVV 248

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MEDINE-2238257; PubMed=12477932; DOI=10.1073/pnas.242603899;
XX MISUINE-22388257; PubMed=12477932; DOI=10.1073/pnas.242603899;
XX Strausberg R.L., Feingold E.A., Grouse L.H., Derge J.G.,
XX Atlausher R.D., Collins F.S., Wagner L., Shenmen C.M., Schuler G.D.,
XX Atlachul S.F., Zeeberg B., Buetow K.H., Schaefer C.F., Bhat N.K.,
XX Diatchenko L., Marusina K., Farmer A.A., Rubin G.M., Hong L.,
XX Balecon M., Soares M.B., Bonaldo M.F., Casavant T.L., Scheetz T.E.,
XX Stapleton M.J., Vodin T.B., Toshiyviki S., Carninoi P., Prange C.,
XX Raplacon M.J., Nodin T.B., Toshiyviki S., Carninoi P., Prange C.,
XX Raha S.S., Loquellano N.A., Peters G.J., Abramson R.D., Mullahy S.J.,
XX Richards S.W., Worder M.M., Sodergen B.J., Lu X., Gibbs R.A.,
XX Allalon D.K., Muzny D.M., Sodergren B.J., Lu X., Gibbs R.A.,
XX Hilling M. M., Madan A., Young A.C., Shevchenko Y., Bouffard G.G.,
XX Rodriguez A.C., Grimwood J., Schmutz J., Myers R.M., Butterfield Y.S.,
XX Krzywinski M.I., Skalska U., Smailus D.E., Schnerch A., Schein J.E.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             The German cDNA Consortium;
Ottenwaelder B., Obermaier B., Deutschenbaur S., Schaipp A.,
Mewes H.W., Weil B., Amid C., Osanger A., Fobo G., Han M., Wiemann S.;
Submitted (SEP-2004) to the EMBL/GenBank/DDBJ databases.
EMBL; BC043216; AAH43216.1; -.
EMBL; BX648658; CAH56142.1; -.
HSSP; P06907; INEU.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Jones S.J., Marra M.A.; "Generation and initial analysis of more than 15,000 full-length human
                                                                                                                                                                                 01-JUN-2003 (TrEMBLrel. 24, Last sequence update)
25-OCT-2004 (TrEMBLrel. 28, Last annotation update)
V.set and immunoglobulin domain containing 1 (Hypothetical protein
                                                                                                                                                                                                                                                                                                                                                Homo sapiens (Human).
Eukaryota, Metazoa; Chordata; Craniata; Vertebrata; Buteleostomi;
Mammalia; Butheria; Primates; Catarrhini; Hominidae; Homo.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     24.2%; Score 408.5; DB 2; Length 387; 34.8%; Pred. No. 1.3e-20; ive 54; Mismatches 99; Indels 25;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TISSUE=Testis;
Director MGC Project;
Submitted (JAN-2003) to the EMBL/GenBank/DDBJ databases.
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SMART; SM00408; IGc2; 1.
PROSITE; PS50835; IG_LIKE; 2.
HYPOCH prical protein:
SEQUENCE 387 AA; 41811 MW; F5D39F3B21FF1D0D CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     roc. Natl. Acad. Sci. U.S.A. 99:16899-16903(2002).
                                                                             387 AA.
                                                                                                                                     01-JUN-2003 (TrEMBLrel. 24, Created)
01-JUN-2003 (TrEMBLrel. 24, Last seq
25-OCT-2004 (TrEMBLrel. 28, Last ann
                                                                                                                                                                                                                                                                                 DKFZp68611638).
Name=VSIG1; Synonyms=DKFZp68611638;
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InterPro; IPR007110; Ig-like.
InterPro; IPR003598; Ig_c2.
InterPro; IPR000920; Myelin_P0.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    and mouse cDNA sequences.
                                                                      PRELIMINARY;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                           NCBI_TaxID=9606;
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RESULT 7
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The German Human cDNA Consortium;

A Ottenwaelder B., Obermaeler B., Mewes H.W., Weil B.,

A Amid C., Osanger A., Fobo G., Han M., Wiemann S.;

Bubmitted (AUG-2003) to the EMBL/GenBank/DDBJ databases.

REBL; EX640913; CRE45594.1; -.

REBL; EX640913; CRE45594.1; -.

RO, GO:0016020; CREMDENENE; ERA.

RITERPRO; IPR003598; Ig.

RITERPRO; IPR003598; Ig.

RITERPRO; IPR00359; Ig.

RITERPO; IPR00350; Myelin_PO.

REATH: SM00409; IG; 2.

RAMRT; SM00409; IG; 2.

REMART; SM00409; IG; 2.

REMART; SM00409; IG; 2.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              PDFLGQNQGILNVSVLVKPSKPLCSVQGRPETGHTISLSCLSALGTPSPVYYWHKLEGRD 206
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           183 PTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPPQGRVAGA 242
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            65
182 IVPVKENP--NPTTGILVIGNLTNFEQGYYQCTAINRLGNSSCEIDLTSSHPEVGIIVGA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Gaps.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      34 FLILSCLAGOVSVVOVTIPDGFVNVTVGSNVTLICIYTTTVASREOLSIOWSFFHK---
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       66 SESHPI-LYFT-NGHLYPTGSKSKRVSLLONPPTVGVATLKLTDVHPSDTGTYLCOVNNP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         124 PDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWVRL-GTF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   25;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match 24.2%; Score 408.5; DB 2; Length 412; Best Local Similarity 34.8%; Pred. No. 1.4e-20; Matches 95; Conservative 54; Mismatches 99; Indels 25
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     C1B4E005F0882C45 CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                         05-JUL-2004 (TrEMBLrel. 27, Last sequence update) 05-JUL-2004 (TrEMBLrel. 27, Last annotation update) Hypothetical protein DKFZp686A1239 (Fragment).
                                                                                                   243 LIGVLLGVLLLSVAAFCLVRFQ----KERGKK 270
                                                                                                                                              240 LIGSLVGAAII-ISVVCFARNKAKAKAKERNSK 271
                                                                                                                                                                                                                                                                                                                                                                                                                                  (TrEMBLrel. 27, Created)
                                                                                                                                                                                                                                                                                                                                                                     PRT;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     412 AA; 44702 MW;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  PROSITE, PS50835, IG_LIKE; 2. Hypothetical protein.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                         05-JUL-2004 (TrEMBLrel. 27, 05-JUL-2004 (TrEMBLrel. 27,
                                                                                                                                                                                                                                                                                                                                                             PRELIMINARY;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Name=DKFZp686A1239;
Homo sapiens (Human)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                SEOUENCE FROM N.A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       NCBI_TaxID=9606;
                                                                                                                                                                                                                                                                                                                                                                                                                                  05-JUL-2004
05-JUL-2004
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              NON TER
SEQUENCE
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                                                                                                                                                                                                                                                                                                                                                             D6MZS4
                                                                                                                                                                                                                                                                                        RESULT 8
Q6MZS4
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10; 65

Gaps

Best Local Similarity 34.88 Matches 95; Conservative

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MEDLINE=2238825; PubMed=12477932; DOI=10.1073/pnas.242603899;
A Strausberg R.L., Feingold E.A., Grouse L.H., Derge J.G.,
A Altschul S.F., Zeeberg B., Buctow K.H., Schaefer C.F., Bhat N.K.,
A Altschul S.F., Zeeberg B., Buctow K.H., Schaefer C.F., Bhat N.K.,
Hopkins R.F., Jordan H., Moore T., Max S.I., Wang J., Hsieh F.,
A Bitchenko L., Marusina K., Farmer A.A., Rubin G.M., Hong L.,
Brownstein M.J., Usdin T.B., Toshiyuki S., Carninci P., Prange C.,
Brownstein M.J., Usdin T.B., Toshiyuki S., Carninci P., Prange C.,
Raha S.S., Loquellano N.A., Peters G.J., Abramson R.D., Mullahy S.J.,
Bosak S.A., McEwan P.J., McKernan K.J., Malek J.A., Gunaratne P.H.,
A Richards S., Worley K.C., Hale S., Garcia A.M., Gay L.J., Hulyk S.W.,
A Nilalon D.K., Muzny D.M., Sodergren E.J., Lu X., Gibbs R.A.,
Rachay J., Helton E., Ketteman M., Madan A., Young A.C., Shevchenko Y., Boutfard G.G.,
Mhiting M., Madan A., Young A.C., Shevchenko Y., Boutfard G.G.,
Blakesley R.W., Touchman J.W., Green E.D., Dickson M.C.,
Blakesley R.W., Touchman J.W., Green E.D., Dickson M.C.,
A Rodiyuez A.C., Garimwood J., Schmutz J., Myers R.M., Butterfield Y.S.,
A Jones S.J., Marra M.A.;
F. Generation and initial analysis of more than 15,000 full-length human
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 66 ANQPEQVILYQGGQMFDGAPRFHGRVGFTGTMPATNV-SIFINNTQLSDTGTYQCLVNNL 124
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  184 TPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEP-PQ--GRVA 240
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         124 PDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWVRLGTFP 183
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            241 GALIG----VLLGVLLLSVAAFCLVRFQKERGKKPKETYGGSDLREDAIAPGISEHTCMR 296
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            65 ISESHPILYFTNGHLYPTGSK-SKRVSLLQNPPTVGVATLKLTDVHPSDTGTYLCQVNNP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             10 LLGFLCLS--GLAVEVKVPTEP--LSTPLGKTAELTCTYSTSVG-DSFALEWSFVQPGKP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       28;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Length 430;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    cch 23.3%; Score 392; DB 2; Length 430 sl Similarity 32.6%; Pred. No. 2.2e-19; 105; Conservative 57; Mismatches 132; Indels
  Eutheria; Primates; Catarrhini; Hominidae; Homo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Strausberg R.;
Submitted (JUL-2002) to the EMBL/GenBank/DDBJ databases.
EMBL; BCO34411; AAH34411.1; -.
HSSP; P78310; 1EAJ.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        and mouse cDNA sequences.";
Proc. Natl. Acad. Sci. U.S.A. 99:16899-16903(2002)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Ę.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   292 CSSAKAFHTEISSSDNNTLTSS 313
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 PRT;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Genew, HGNC:16669; IGSF11.
InterPro, IPR007110; Ig-like.
InterPro; IPR003598; Ig_c2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 PRELIMINARY;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         SEQUENCE FROM N.A.
                                                                           SEQUENCE FROM N.A.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Local
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     SOR BERGER STREET STREE
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        GQAVAIGQFKDRITGSNDP---GNASITISHMQPADSGIYICDVNNPPDFLGQNGGILNV 117
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 SGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPPQGRVAGALIGVLLGVLLLSV 255
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  207 IVPVKENF--NPTTGILVIGNLTNFEQGYYQCTAINRLGNSSCEIDLTSSHPEVGIIVGA 264
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            21 VEVKVPTEPLSTPLGKTAELTCTYSTSVG--DSFALEWSFVQPGKPISESHPI-LYFT-N 76
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWVRL-GTFPTPSPGSMVQDEV
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       20; Gaps
                                                                                                                                                                                                                                                                                                                           vi-UCT-ZUU3 (TrEMBLrel. 25, Last sequence update)
01-MAR-2004 (TrEMBLrel. 26, Last annotation update)
DJ889N15.1 (Novel protein similar to X. laevis Cortical Thymocyte
Marker CTX) (Fragment).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Homo Sapiens (Human).
Bukaryota, Metazoa, Chordata, Craniata, Vertebrata, Buteleostomi,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi,
Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Homo.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      DB 2; Length 259;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           01-OCT-2002 (TrEMBLrel. 22, Created)
01-OCT-2002 (TrEMBLrel. 22, Last sequence update)
01-WAR-2004 (TrEMBLrel. 26, Last annotation update)
Brain and testis-specific immunoglobin superfamily protein.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       97; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Grafham D.;
Submitted (JUN-2003) to the EMBL/GenBank/DDBJ databases.
EMBL; AL031177; CAA20116.1; -.
HSSP; O88792; 1F97.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                27813 MW; 66B729303B9A6B18 CRC64;
                                                                                LIGVLLGVLLLSVAAFCLVRFQ----KERGKK 270
                                                                                                              ||| |:| :::: | | :
LIGSLVGAAII-ISVVCFARNKAKAKAKERNSK 296
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Match 23.7%; Score 399; DB 2. Local Similarity 34.2%; Pred. No. 4e-20; les 89; Conservative 54; Mismatches 5
                                                                                                                                                                                                                                                                  259 AA
                                                                                                                                                                                                                                                                                                                   Created)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             PRT;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           256 AAFCLVRFQ----KERGKK 270
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         SVVCFARNKAKAKAKERNSK 254
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Interpro; IPR007110; Ig-like.
Interpro; IPR003599; Ig_C2.
Pfam, PF00047; ig; 1.
SMARY; SM00408; IGC2; 1.
PROSITE; PS50835; IG_LIKE; 2.
                                                                                                                                                                                                                                                                                                             (TrEMBLrel. 25, (TrEMBLrel. 25, (TrEMBLrel. 26,
                                                                                                                                                                                                                                                               PRELIMINARY;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             PRELIMINARY;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           259
                                                                                                                                                                                                                                                                                                                                                                                                                                            Name=dJ889N15.1;
Homo sapiens (Human)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      259 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   SEQUENCE FROM N.A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     NCBI_TaxID=9606;
                                                                                                                                                                                                                                                                                                                01-OCT-2003 (
01-OCT-2003 (
01-MAR-2004 (
                                                                                243
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Q8N4F1
                                                                                                                                                                                                            RESULT 9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ò
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           쉱
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HSSP; P06907: 1NEU
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Q6DDE7
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C STRAIN=CSTBL/6J; TISSUE=Testis;
A Acadeni J., Aizawa K., Akahira S., Akimura T., Arai A., Aono H.,
A Arakawa T., Bono H., Carninci P., Fukuda S., Fukunishi Y., Furuno M.,
A Hanagaki T., Hara A., Hayatsu N., Hiramoto K., Hiraoka T., Hori F.,
Imotani K., Ishii Y., Itoh M., Izawa M., Kasukawa T., Kato H.,
A Kawai J., Kojima Y., Konno H., Kouda M., Koya S., Kurihara C.,
Matsuyama T., Miyazaki A., Nishi K., Nomura K., Numazaki R., Ohno M.,
Okazaki Y., Okido T., Owa C., Saito H., Saito R., Sakai C., Sakai K.,
Sano H., Sasaki D., Shibata K., Shibata Y., Shinagawa A., Shiraki T.,
A Sodabe Y., Suzuki H., Tagami M., Tagawa A., Takahashi F., Tanaka T.,
A Muramatsu M., Hayashizaki Y.,
A Muramatsu M., Hayashizaki Y.,
B Submitted (AUG-2000) to the EMBL/GenBank/DDBJ databases.
EMBL; AK019565; BAB31795.1; --
                         01-JUN-2001 (TrEMBLrel. 17, Created)
01-JUN-2001 (TrEMBLrel. 17, Last sequence update)
01-MAR-2004 (TrEMBLrel. 26, Last annotation update)
Mus musculus adult male testis cDNA, RIKEN full-length enriched
library, clone:49304055124 product:similar to DJ899N15.1 (NOVEL PROTEIN
SIMILAR TO X. LAEVIS CORTICAL THYMOCYTE MARKER CTX).
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C STRAIN=C57BL/6J; IISSUB=Testis;

MEDLINE=205:0913; PubMed=1107661; DOI=10.1101/gr.152600;

MEDLINE=205:0913; PubMed=1107661; DOI=10.1101/gr.152600;

Shibata K., Itoh M., Aizawa K., Nagaoka S., Sasaki N., Carninci P.,

Konno H., Akiyama J., Nishi K., Kiteunai T., Tashiro H., Itoh M.,

A Sumi N., Ishii Y., Nakamura S., Hazama M., Nishine T., Harada A.,

Yamamoto R., Matsumoto H., Sakaguchi S., Ikegami T., Kashiwagi K.,

Pujiwake S., Inoue K., Togawa Y., Izawa M., Ohara E., Watahiki M.,

Yoneda Y., Ishikawa T., Ozawa K., Tanaka T., Matsuura S., Kawai J.,

A Okazaki Y., Muramatsu M., Inoue Y., Kira A., Hayashizaki Y.;

RIKEN integrated sequence analysis (RISA) system-384-format

sequencing pipeline with 384 multicapillary sequencer.";
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        STRAIN-CS7BL/63; TISSUB=Testis;
MEDLINE=20499374; PubMed=11042159; DOI=10.1101/gr.145100;
Carninci P., Shibata Y., Hayatsu N., Sugahara Y., Shibata K., Itoh M.,
Konno H., Okazaki Y., Muramatsu M., Hayashizaki Y.,
"Normalization and subtraction of cap-trapper-selected cDNAs to
prepare full-length cDNA libraries for rapid discovery of new genes.";
Genome Res. 10:1617-1630(2000).
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                                                                                                                                                                                                                                                                                                                                                                                                                          STRAIN=CS7BL/6J; TISSUE=Testis;
MEDLINE=99279253; Pubmed=10349636; DOI=10.1016/S0076-6879(99)03004-9;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               the RIKEN Genome Exploration Research Group Phase I & II Team, "Analysis of the mouse transcriptome based on functional annotation No. 75 full-length cDNAs."; Nature 420:563-673(2002)
                                                                                                                                                                                                                                                                     Eukaryota; Metazoa, Chordata, Craniata, Vertebrata, Euteleogtomi,
Mammalia, Eutheria, Rodentia, Sciurognathi, Muridae, Murinae, Mus.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             STRAIN=C57BL/6J; TISSUB=Testis;
MEDLINE=21085660; PubMed=11217851; DOI=10.1038/35055500;
RIKEN PANTOM Consortium;
"Functional annotation of a full-length mouse cDNA collection.";
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Carninci P., Hayashizaki Y.;
"High-efficiency full-length cDNA cloning.";
Meth. Enzymol. 303:19-44(1999).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            STRAIN=C57BL/6J; TISSUE=Testis;
The FANTOM Consortium,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Nature 409:685-690(2001).
                                                                                                                                                                                                                                               Mus musculus (Mouse)
                                                                                                                                                                                                           Name=4930405J24Rik
                                                                                                                                                                                                                                                                                                                                                                                                    SEQUENCE FROM N.A.
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                                                                                                                                                                                                                                                                                                                                         NCBI_TaxID=10090;
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DE TARKER BEREET FREET F
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Gaps, 11;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        249 AAVI----IČVVYFARNKVKSKQQKNLNSSTELEPMTKVHHPQQSEAISADGVQLEGTLP 304
                                                                                                                                                                                                                                                                                         70
                                                                                                                                                                                                                                                                                                             15 CLAGQVSMVQVTIPDTFVNVTVGSNVTLLCLYTTTEKSLEKLSIQMSFFH-NKEMEEPIS
                                                                                                                                                                                                                                                                                         CLSGLA - - VEVKVPTBPLSTPLGKTAELTCTYSTSVG - - DSFALEWSFVQPGKPISESHP
                                                                                                                                                                                                                                                                                                                                                                                                                                              131 LGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWVRL-GTFPTPSPGS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        190 MVQDEVSGQLILTNISLTSSGTYRCVATNQMGSASCELTLSVTEPPQGRVAGALIGVILG
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PubMed=12477932; DOI=10.1073/pnas.242603899;
Strausberg R.L., Feingold B.A., Grouse L.H., Derge J.G.,
Klausner R.D., Collins F.S., Wagner L., Shenmen C.M., Schuler G.D.,
Altschul S.F., Zeeberg B., Buetow K.H., Schaefer C.F., Bhat N.K.,
Hopkins R.F., Jordan H., Moore T., Max S.I., Wang J., Hsieh F.,
Diatchenko L., Marusina K., Farmer A.A., Rubin G.M., Hong L.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Eukaryota, Metazoa, Chordata, Cranīata, Vertebrata, Euteleostomi,
Amphibia, Batrachia, Anura, Mesobatrachia, Pipoidea, Pipidae,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Klein S.L., Strausberg R.L., Wagner L., Pontius J., Clifton S.W., Richardson P.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  'Genetic and genomic tools for Xenopus research: The NIH Xenopus
                                                                                                                                                                                                                                                   39;
                                                                                                                                                                                                             ;; Score 389.5; DB 2; Length 407;
;; Pred. No. 3e-19;
62; Mismatches 134; Indels 39;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          MEDLINE=22341132; PubMed=12454917; DOI=10.1002/dvdy.10174;
                                                                                                                                                                       B7094F818B868680 CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Last sequence update)
Last annotation update)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    SSIHAGHNTEPTTTAVLEPEYEPNPPLETTTQ 336
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              297 ADSSKGFLERPSSASTV------TTTK 317
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MGD; MGI:1926039; 4930405J24Rik.
GO; GO:0016020; C:membrane; IEA.
InterPro; IPR007110; Ig-like.
InterPro; IPR003598; Ig c2.
InterPro; IPR000920; Myelin_P0.
PRIMTS; PR0013; MYELINPO.
SMART; SM00408; IGC2; 1.
                                                                                                                                             PROSITE; PS50835; IG LIKE; 2. SEQUENCE 407 AA; 44014 MW;
                                                                                                                                                                                                             23.1%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             LOC445876 protein (Fragment)
Name=LOC445876;
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                                                                                                                                                                                                                               1 Similarity 29.2
97; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 PRELIMINARY;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      initiative.
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117 INLPE--SSGQGKILITVLVPPSVPHCSIRGAVETGHFISLLCYSEEGMPRPIYSWNRVE 174
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                61 PGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYLCQV 120
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               121 NNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWVRL- 179
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                                                                                                                                                                                                                                                                                                                                                                                     3 FLLFITLG-LSLTALSHCVQVTIQNPIINVTSGQNATLYCTYILNNQNKNNLVIQWNIFQ
                                                                                                                                                                                                                                                                                                                                                                                                                                                      5 FLCGALLGFLCLSGLA--VEVKVPTEPLSTPLGKTAELTCTY--STSVGDSFALEWSFVQ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 180 -GTFPTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPPQGR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Eukaryoča; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Archosauria; Aves; Neognathae; Galliformes; Phasianidae; Phasianinae;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Katevuo K.H., Boyd R., Gobel T.T., Bean A., Dunon D., Imhof B.A.,
                                                                                                                                 "CTX, a novel molecule specifically expressed on the surface of
                                                                                                                                                                                                                                                                                                 21.3%; Score 358.5; DB 2; Length 318; 33.2%; Pred. No. 3.4e-17; ive 52; Mismatches 112; Indels 41.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Vainio O.;
Submitted (JUN-1997) to the EMBL/GenBank/DDBJ databases.
                                                                                                                                                                                                                                                                 6231D24B0B806C09 CRC64;
                                                                                                 Chretien I., Robert J., Marcuz A., Garcia-Sanz J.A., Du Pasquier L.;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             01-MAY-2000 (TrEMBLrel. 13, Created)
01-MAY-2000 (TrEMBLrel. 13, Last sequence update)
01-OCT-2003 (TrEMBLrel. 25, Last annotation update)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                239 VAGALIGVLL-GVLLLSVAAFCLV-RFQK-------
                                                                                                                                             COTTICAL Thymocytes in Xenopus.";
Eur. J. Immunol. 26:780-791(1996).
HSRB; V43330; AAC59899.1; -.
HSRP; P78310; IKAC.
Pfam; PF00047; ig; 1.
SWART; SW00409; iG; 2.
SROSITE; PS50835; IG; 2.
SEQUENCE 318 AA; 34429 MW; 6231
                                                 SEQUENCE FROM N.A.
STRAIN=ff; TISSUE=Thymus;
MEDLINE=96210130; PubMed=8625968;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ChT1 thymocyte antigen precursor.
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HSSP; P78310; 1KAC.
InterPro; IPR007110; Ig-like.
InterPro; IPR003596; Ig_v.
Pfam; PF00047; ig; 1.
SMART; SM00406; IGv; 1.
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STRAIN=H.B19; TISSUE=Thymus;
                                                                                                                                                                                                                                                                                                                                  Matches 102; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              PRELIMINARY;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Gallus gailus (Chicken).
   Kenopodinae, Xenopus.
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                                                                                                                                                                                                                                                                                                                  Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              NCBI_TaxID=9031;
                      NCBI_TaxID=8355;
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Q9PWR4
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               232 TEPPQGRVAGALIGVLLGVLLLSVAAFCLVRFQKERGKKPKETYGGSDLREDAIAPGISE 291
Stapleton M., Soares M.B., Bonaldo M.F., Casavant T.L., Scheetz T.E., Brownstein M.J. Usdin T.B., Toshiyuki S., Carninci P., Prange C., Raha S.S., Loquellano N.A., Peters G.J., Abramson R.D., Mullahy S.J., Sousak S.A., McEwan P.J., Malek J.A., Gunaratne P.H., Richards S., Worley K.C., Hale S., Garcia A.M., Gay L.J., Hulyk S.W., Villalon D.K., Muzny D.M., Sodergren B.J., Lu K., Gibbs R.A., Fahey J., Helton E., Ketteman M., Madan A., Rodrigues S., Sanchez A., Whiting M., Madan A., Young A.C., Shevchenko Y., Bouffard G.G., Blakesley R.W., Touchman J.W., Green E.D., Dickson M.C., Shevchenko Y., Souffard G.G., Krzywinski M.I., Skalska U., Schmutz J., Myers R.M., Butterfield Y.S., Jones S.J., Marra M.A.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   6 LCGALLGFLCLSGLAVEVKVPTEPLSTPL--GKTAELTCTYSTSVG-DSFALEWS---FV
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     OPGKPISESHPILYFTNGHLYPTGSK-SKRVSLLQNPPTVGVATLKLTDVHPSDTGTYLC
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  151 TVINPPDGTTPNIGLVGLTVLVBPSRPVCSSEGREEEGGSVRLRCSIREGVPAPRILWEK
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               266 VLSTVGVIVGVAIALIMGVVLLALFAIVLHLHQQSRG-----TWQDQELR-DCKIQGRRE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                LGTFPTPSPGSMV----QDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSV---
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Amphibia, Batrachia, Anura, Mesobatrachia, Pipoidea, Pipidae,
                                                                                                                                                                                                                                                                                          Length 432;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   432 AA; 47215 MW; ACFE78F0A4ED30E6 CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              091664;
0. NOV-1996 (TrEMBLrel. 01, Created)
01-NOV-1996 (TrEMBLrel. 01, Last sequence update)
01-OCT-2003 (TrEMBLrel. 25, Last annotation update)
                                                                                                                                                                                                                                    Sci. U.S.A. 99:16899-16903(2002)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                21.3%; Score 359; DB 2; L
31.9%; Pred. No. 4.4e-17;
iive 53; Mismatches 127;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                292 HTCMRADSSKGFLERPSSASTVT 314
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              EPEM - - EGAKMITVSPGKRSEVT 340
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   llarity 31.9%;
Conservative 5
                                                                                                                                                                                                                   and mouse cDNA sequences.
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Matches 103; Conserv
                                                                                                                                                                                                                                                                    SEQUENCE FROM N.A.
                                                                                                                                                                                                                                                                                    TISSUE=Brain;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    186 SPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNOMGSASCELTLSVTEPPQGRVAGALIG 245
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 123 DAGQSQKSVIVNVLVKPSKPFCKIEĞTPEKĞHLIYLLCKCDQĞLPHPTYRWYKVDE-NTL 181
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                                                                                                                                                                                                                                                                      Gaps
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Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi,
Archosauria, Aves, Neognathae, Galliformes, Phasianidae, Phasianinae,
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Best Local Similarity 32.1%; Pred. No. 1e-16;
Matches 86; Conservative 52; Mismatches 116; Indels 14; Gaps
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Katevuo K.H., Boyd R., Gobel T.T., Bean A., Dunon D., Imhof B.A.,
                                                                                                                                                                                                                                                                          14;
                                                                                                                                                                                              21.1%; Score 355; DB 2; Length 335; 32.1%; Pred. No. 6.4e-17; ive 52; Mismatches 116; Indels 1
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Submitted (JUN-1997) to the EMBL/GenBank/DDBJ databases.
EMBL; Y14063; CAA74390.1; -.
HSSP; P78310; 1KAC.
                                                                 1 21 Potential.
22 335 ChTl thymocyte antigen.
335 AA; 36509 MW; AA6159598079B438 CRC64;
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CHAIN 22 335 ChTl thymocyte antigen.
SEQUENCE 335 AA; 36553 MW; AA640C5CD02CB16D CRC64;
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01-MAY-1999 (TrEMBLrel. 10, Last sequence update)
01-OCT-2003 (TrEMBLrel. 25, Last annotation update)
ChT1 thymocyte antigen precursor.
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   PS50835; IG LIKE, 2.
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InterPro; IPR003596; Ig.v.
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SMART; SM00406; IGv; 1.
PROSITE; PS50835; IG_LIKE; 2.
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Matches 86; Conservative
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NCBI_TaxID=9031;
PROSITE;
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SIGNAL
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Db 66 SQLHTIYYYSEGQSYSYGEFKDRITAATSP---GNASITISNMQPSDTGSYTCEVFSPQD 122

Qy 126 FYINGLGLINLTULVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWYRLGTFPTP 185

123 DAGQSQKSVIVNYLVKPSKFPCKIEGTPEKGHLIYLLCKCDQGLPHPTYRWYKVDE-NTL 181

Qy 186 SPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPPQGRVAGALIG 245

182 TPVTEYFNPDTGILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPPQGRVAGALIG 245

182 IPVTEYFNPDTGILTNLSLTSFTGHYRCIASNIMGNSTCELDLTSMHSDGNIVAGALIG 241

Qy 246 VLLGVLLLSVAAPCLVRFQKERGKKPKE 273

DD 242 ALLADVILOAIWWITKKASKSSNE 269
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Search completed: August 4, 2005, 06:13:28 Job time: 90.5513 secs

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Adc49185 N Adc49702 N Adc49702 N Adc7818 N Adc7818 N Adc7037 N Add50627 N Add50627 N Add5081 N Add5081 N Add5081 N Add5081 N Add75183 N Add75183 N Add75183 N Add75183 N Add86987 N

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The polynucleotide sequences given in AAA39052 to AAA39088 encode the human secreted proteins given in AAB08891 to AAB0894. The human secreted proteins can have activities based on the tissues and cells they are expressed in. Examples of the activities are: cytostatic; anti-proliferative; immunosuppressive; antibacterial; and vulnerary. The secreted proteins and their related polynucleotide sequences are useful for diagnostic and therapeutic methods useful for diagnosing and treating
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Human secreted proteins and coding sequences useful in diagnostic and therapeutic methods for disorders such as immune system or proliferative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Human, secreted protein; cytostatic, anti-proliferative; vulnerary; immunosuppressive; antibacterial; diagnosis; immune system; chemotaxis; hyperproliferative disorder; infectious disease; tissue regeneration; screening; food additive; preservative; wound healing; hyper-vascular disease; chromsome 11.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Human secreted protein sequence encoded by gene 13 SEQ ID NO:60.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ALIGNMENTS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   D, Shi Y,
Soppet DR;
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                      ADC49185
ADC49702
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ADD50900
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Komatsoulis G, Endress GA,
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  WPI; 2000-283538/24.
N-PSDB; AAA39064.
WO200017222-A1.
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  4, 2005, 05:53:15; Search time 99.7302 Seconds (without alignments) 1268.128 Million cell updates/sec
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                    GenCore version 5.1.6 (c) 1993 - 2005 Compugen Ltd.
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                                                                                                                                                                                                                                                                                                                                                                                        2105692 segs, 386760381 residues
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Maximum Match 100%
Listing first 45 summaries
                                                                                                     protein search, using sw model
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ABG34368
ABJ72175
ADB83726
ADB80832
ADB80832
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ADB85103
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AAY97585
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ABU80856
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ADB83972
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           polynucleotide sequences may be useful for treating disorders of the fimumue system, hyperproliferative disorders, infectious disease, regeneration of tissues, for chemotaxis and for screening molecules that bind to the proteins. The proteins or polynucleotide sequences may be used as food additives or preservatives, to increase or decrease storage capabilities, fat content, lipid, protein, carbohydrate, vitamins, minerals, co-factors or other nutritional components. Agonists or antagonists of the proteins may be used to prevent scar tissue growth during wound healing, and hyper-vascular diseases. AAA39043 to AAA39051 and AAB08890 are sequences used in the exemplification of the present
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         inflammation; cardiovascular disease; anticancer; anti-inflammatory; antimicorbial; notropic; natimicoropic; antimicoropic; antimicoropic; antimicoropic; antimicoropic; antiasthmatic; gene therapy; cell proliferation; neurological disorder; reproductive disorder; developmental disorder; arteriosclerosis; carrhoais; psoriaais; acquired immune deficiency syndrome; anaemia; asthma; Crohn's disease; infection; Alzheimer's disease; schizophrenia; parkinson's disease; Huntington's disease; ovulatory defect;
                                                                                                                                                                                                                                                                       1 MAELPGPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWS
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Human signal peptide containing protein HSPP-28 SEQ ID NO:28.
                                                                                                                                                                                                 Score 1692; DB 3; Length 327;
Pred. No. 7.4e-114;
0; Mismatches 1; Indels
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 disorders related to the secreted
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                                                                                                                                                                                                                 Best Local Similarity 99.7
Matches 326; Conservative
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                                                                                                                                                                           Sequence 327 AA;
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AAZ98109 to AAZ98242 encode AAY87224 to AAY87357 which represent the human signal peptide-containing proteins HSPP-1 to HSPP-134. HSPPs have anticancer, anti-inflammatory, antimicrobial, nootropic, hepatotropic, canticancer, anti-inflammatory, antimicrobial, nootropic, hepatotropic, nearoprotective, cardiovascular and antiasthmatic activities, and can be used in gene therapy. HSPPs can be used to treat or prevent disorders associated with decreased activity or function of HSPP. Such diseases include cell proliferation cutivity or function of HSPP. Such diseases include cell proliferation (including cancer), inflammation, cardiovascular, neurological, ceptroductive or developmental disorders, (e.g. arteriosclerosis, circhosis, psoriasis, acquired immune deficiency syndrome, anaemia, asthma, crohn's disease, microbial or other infections, congestive or circhosis, psoriasis, acquired immune deficiency syndrome, anaemia, asthma, crohn's disease, microbial or other infections, congestive or circhosis, psoriasis, acquired immune deficiency syndrome, anaemia, crischaemic heart disease, Alzhaimer's, Parkinson's or Huntington's or detecting HSPP in standard hybridisation and amplification assays (for detecting HSPP in standard hybridisation and amplification assays (for detecting HSPP and for chromosomal mapping, HSPP are also used to raise cribozyme therapeutics, for detecting related sequences or genetic variations, and for chromosomal mapping. HSPP are also used to raise competitive drug screents, and for purification of HSPP from natural
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                                                                                                                                                                                                                                                                                                                                                                                                                 New human signal peptide-containing proteins useful in treatment, prevention and diagnosis of e.g. cancer, inflammation and cardiovascular
                                                                                                                                                                                         Baughn MR;
R, Hillman JL;
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                                                                                                                                                                                            GA, Corley NC, Guegler KJ, Bar
Yue H, Patterson C, Reddy R,
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99.7%; Pred. No. 8.8e-114;
ive 0; Mismatches 1;
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98US-0094983P.
98US-0102686P.
98US-0112129P.
                                                                                                                                                                                                                              Au-Young J,
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Matches 326, Conservative
                                                                                                                                (INCY-) INCYTE PHARM INC.
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Akerblom IE, Au
                                                                   11-DEC-1998;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              disease.
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treatment of lung or liver fibrosis, reperfusion injury in various tissues, and conditions resulting from systemic cytokine damage. They are also used for promoting or inhibiting tissue differentiation. They are also used as contraceptives since they exhibit activin or inhibin related activities and as a fertility inducing therapeutic. They are used for treating various coagulation disorders and in treatment and prevention of conditions resulting from coagulation activities e.g. myocardial infarction or stroke. They also acts as receptors, receptor ligands or inhibitors or agonists of receptor/ligand interactions. They are used to treat inflammatory conditions such as septic shock, sepsis, ischaemia reperfusion injury, arthritis, and nephritis. They can be used to prevent

Sequence 327 AA;

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This sequence represents a human protein of the invention, which has hydrophobic domains. The DNA sequences can be used as a probe or as a configuration arriver, and to identify protein can also be used as a marker, and to identify potential genetic disorders. The DNA and protein exhibits cytokine, cell protein exhibits cytokine, cell fulferentiation activities and induces production of confer cytokines in certain cell populations. The protein also exhibits immune stimulating or immune suppressing activity. It can be used in the creations diseases caused by viral, bacterial, fungal or other infections. The protein is also used for treating autoimmune disorders infections. The protein is also used for treating autoimmune disorders arthritis. It is also useful in the treatment of allergic reactions and conditions such as asthma, and in immune suppression after organ conditions such as asthma, and in immune suppression after organ transplantation. The protein is useful in regulation of haematopoiesis deficiencies. It is also used in compositions for tissue growth or regeneration. The protein is also used in the treatment of osteoporosis or osteoparthitis and in the treatment of periodontal disease and other coord repeat processes. The protein is used in the treatment of periodontal disease and other coord the repair processes. The protein is used in the treatment of periodontal disease, and subther coord the repair processes. The protein is used in the treatment of periodontal disease, and subther coord the repair processes. The protein is used in the reatment of restoners and subther coord the repair processes. The protein is used in the treatment of neglecation and subtended the subsection or regeneration and subsection and subsection or regeneration and subsection as allaheimer's disease, parkingon's disease, and characteric to the repair processes of the protein is disease, parkingon's disease, and characteric transplantation or regeneration and subsection or regeneration or regeneration and subsection and sub
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                   AAY94857 standard; protein; 327 AA.
                                                                                                                                                  Human protein clone HP10568.
                                                                                                      (first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                           nephritis; therapy
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                                                              AAY94857;
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AAY94857
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Human protein; hydrophobic domain; nutritional source; haematopoiesis; cytokine production; cell proliferation; cell differentiation; dimmune deficiency; infectious disease; autoimmune disorder; asthma; multiple sclerosis; systemic luque erythematosus; rheumatoid arthritis; allergic reaction; osteoporosis; osteoarthritis; periodontal disease; nervous system disorder; Alzheimer's disease; Parkinson's disease; Huntington's disease; liver fibrosis; lung fibrosis; reperfusion injury; systemic cytokine damage; tishosis; lung fibrosis; reperfusion injury; systemic cytokine damage; tishosis; laftchion; inflammatory condition; septic shock; segsis; ischaemia; reperfusion injury; sethicis; tumour; Novel human proteins having hydrophobic domains useful for treating osteoporosis, Alzheimer's disease, Parkinson's disease, asthma, multiple sclerosis, rheumatoid arthritis, cancer, anemia, and stroke. 98JP-00208820. 98JP-00224105. 98JP-00238116. 98JP-00254736. 99WO-JP003929 (SAGA ) SAGAMI CHEM RES CENT

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                                                      1 MAELPGPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWS
                                                                       1 MAELPGPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWS
                                                                                                                                                                COVNNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWV
                                                                                                                                                                                                                   RIGIPPTPSPGSMVQDEVSGQLILINLSLTSSGTYRCVATNQMGSASCELTLSVTEPPQG
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Secreted protein; human; PRO protein; neoplastic cell growth; tumour; proliferation; leukaemia; lymphoid malignancy; inflammatory disorder; angiogenic disorder; immunologic disorder; PRO7154.
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99.5%; Score 1691; DB 3; Length 327; 99.7%; Pred. No. 8.8e-114; ive 0; Mismatches 1; Indels (
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99US-0144790P.
99US-0146843P.
99US-0148188P.
99US-0149320P.
99US-0149337P.
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           Best Local Similarity 99.7
Matches 326; Conservative
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17-AUG-1999;
17-AUG-1999;
17-AUG-1999;
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03-AUG-1999
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24-MAY-2002

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useful for diagnosing and treating tumours are associated with gene
useful for diagnosing and treating tumours are associated with gene
useful for diagnosing and treating tumours are associated with gene
amplification, neoplastic cell growth and proliferation in mammals, and
those conditions characterised by overexpression and/or activation of the
amplified genes. Such conditions include benign or malignant tumours
(e.g. renal, prostate, pancreatic, lung, vulval, thyroid, hepatic
carcinomas, sarcomas, glioblastomas and various head and neck tumours);
leukaemias and lymphoid malignancies; neuronal, glial, astrocytal,
chypothalamic, and other glandular, macrophageal, epithelial, stromal and
blastocoelic disorders, and inflammatory, angiogenic and immunologic
disorders. These may further be used to qualitatively or quantitatively
detect the expression of proteins encoded by the amplified genes, and in
tumour diagnostics or prognostics. The PRO polypeptide or its antagonist
condition, which is responsive to the PRO polypeptide, its antagonist or
                                                                                                                                                                                                                    against PRO polypeptides, useful for diagnosing and treating associated with gene amplification, neoplastic cell growth and
                                                                                                                      WI;
                                                                                                                      Wood
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                                                                                                                      Watanabe
                                                                                                                                                                                                                                                                                                                                           This sequence is a human PRO protein of the invention.
                                                                                                                      Smith V,
                                                                                                                      Gurney AL,
                                                                                                                                                                                                                        Antibodies against PRO polypeptides,
                                                                                                                                                                                                                                                                                                   Claim 61; Fig 12; 143pp; English.
99US-0150114P.
99US-0151700P.
99US-0151734P.
                                                                                                                                                                                                                                                              proliferation in mammals.
                                                                                                                    Goddard A,
                                                                               (GETH ) GENENTECH INC
                                                                                                                                                          WPI; 2001-071075/08.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           anti-PRO antibody
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                                       31-AUG-1999;
                    31-AUG-1999;
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                                                                                       1 MAELDGPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWS
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                                                                                                                                                          FVQPGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYL
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                                                                      MAELPGPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWS
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                                       Gaps
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     Length 327;
                                     Indels
     Score 1691; DB 4;
Pred. No. 8.8e-114;
0; Mismatches 1;
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Query Match
Best Local Similarity 99.7
Matches 326; Conservative
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ABB90354 standard; protein; 327

RESULT 5 ABB90354 ABB90354;

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The invention relates to novel genes (ABL89449-ABL90853) and proteins (ABB89040-ABB90444) useful for preventing, treating or ameliorating medical conditions e.g. by protein or gene therapy. The genes are isolated from a range of human tissues disclosed in the specification.

I the diagnosis, treatment and prevention of: (a) cancer, e.g. breast useful in the diagnosis, treatment and prevention of: (a) cancer, e.g. breast now; or varian cancer and other cancers of the adrenal gland, bone, bone marrow, breast, gastrointestinal tract, liver, lung, or urogenital; (b) immune disorders e.g. Addison's disease, allergies, autoimmune haemolytic anaemia, autoimmune thyroiditis, diabetes mellitus, Crohn's disease, cardiovascular disorders such as myocardial ischaemias; (d) wound healing c; (e) neurological diseases e.g. cerebral anoxia and epilepsy; and (f) infections diseases such as viral, bacterial, fungal and parasitic infections. Note: The sequence data for this patent did not form part of from WIPO at ftp.wipo.int/pub/published_pct_sequences
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                                                                     Cytostatic; immunosuppressive; nootropic; neuroprotective; antiviral; antiallergic; hepatotropic; antidiabetic; antiinflammatory; antiulcer; vulnerary; anticonvulsant; antibacterial; antifungal; antiparasitic; cardiant; gene therapy; cancer; immune disorder; cardiovascular disorder; neurological disease; infection; human; secreted protein.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Novel 1405 isolated polypeptides, useful for diagnosis, treatment and prevention of neural, immune system, muscular, reproductive, gastrointestinal, pulmonary, cardiovascular, renal and proliferative
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Pred. No. 8.8e-114;
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                                 Human polypeptide SEQ ID NO 2730.
                                                                                                                                                                                                                                                                                                       18-MAY-2001; 2001WO-US016450
                                                                                                                                                                                                                                                                                                                                            19-MAY-2000; 2000US-0205515P.
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Local Similarity 99.7%;
les 326; Conservative
                                                                                                                                                                                                                                                                                                                                                                                  (HUMA-) HUMAN GENOME
                                                                                                                                                                                                                                                                                                                                                                                                                        Rosen CA;
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                                                                                                                                                                                           Homo sapiens
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RESULT 6

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The invention relates to one hundred and twenty two nucleic acids encoding PRO polypeptides. The sequences of the 122 PRO polymucleotides encoded human secreted proteins. The PRO nucleic acids, polypeptides, agonists and antagonists are useful for treating a PRO related disorder. The PRO polypeptides are useful for treating a PRO related disorder. The PRO polypeptides are useful for diagnosing tumours, especially lung cancer, colon cancer, breast tumour, prostate tumour, rectal tumour or liver tumour. The PRO polypeptides are useful for stimulating the proliferation of, or gene expression, in perioyte cells, for stimulating the relase of tumour necrosis factor-alpha from human blood, for stimulating the relase of tumour necrosis factor-alpha from human blood, for stimulating the relase of tumour necrosis factor-alpha from human blood, for stimulating the PRO polypeptide may also be used as molecular weight markers and for tissue typing. The PRO nucleic acids have applications in molecular biology, including use as hybridisation probes, and in chromosome and gene mapping. AAU83592-AAU83713 represent human PRO protein sequences of the invention
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           FVQPGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYL 120
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     CQVNNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWV 180
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                                                                                                                                                                                                                                                                                                                                                                                           Length 327;
                                                                                                                                                                                                                                                                                                                                                                                                                                1; Indels
                                                                                                                                                                                                                                                                                                                                                                                         99.5%; Score 1691; DB 5; 99.7%; Pred. No. 8.8e-114; iive 0; Mismatches 1;
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01-JUN-2001; 2001WO-US017800.
29-JUN-2001; 2001WO-US021066.
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Best Local Similarity 99.7
Matches 326; Conservative
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                                                                                                                                                                                                                                                                                                                                                    Sequence 327 AA;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Gerritsen ME, Goddard A, Godowski PJ;
Smith V, Stephan JF, Watanabe CK, Wood WI;
                                                                                                                                                                                                                                                                                                                                                                                   Human; secreted protein; PRO; tumour; lung cancer; colon cancer; breast cancer; prostate tumour; rectal tumour; liver tumour; pericyte cell prolliferation; chondrocyte cell prolliferation; tumour necrosis factor-alpha.
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                                                                                                                                                                                                                                                                                                                                                Human PRO protein, Seg ID No 236.
                                                                                                                                                                                                                       AAU83709 standard; protein; 327
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2000US-0220585P.
2000US-0220605P.
2000US-0220607P.
2000US-0220624P.
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2000US-0220666P.
2000US-0220893P.
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2000WO-US030873.
2000US-0253646P.
2000WO-US032678.
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2000US-0227133P.
2000WO-US023522.
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25-MAY-2001; 2001WO-US017092
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Grimaldi JC, Gurney AL,
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N-PSDB; ABK33653.
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25-JUL-2000;
26-JUL-2000;
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22-AUG-2000;
23-AUG-2000;
24-AUG-2000;
10-NOV-2000;
28-NOV-2000;
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20-DEC-2000;
20-DEC-2000;
28-FEB-2001;
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22-MAR-2001;
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Baker KP,
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                                                                                                                                                                                                                        The present invention relates to the isolation of novel human PRO polypeptides are secreted and transmembrane proteins. The PRO polypeptides are secreted and transmembrane proteins. The PRO polypeptides are secreted and transmembrane proteins. The PRO polypeptides are secreted and transmembrane proteins and medicament useful in the diagnostic assays for PRO, by detecting its expression in specific calls, tissues or serum, and for affinity purification of PRO from recombinant call culture or natural sources. Au8080739-AB80806 represent the human PRO polypeptides of the invention. Note: The sequence data for this patent was obtained in electronic format directly from the
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                                           Godowski PJ;
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                                                                                                                                         One hundred and twenty two nucleic acids encoding PRO polypeptides, useful for the manufacture of a medicament for diagnosing or treating
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                                            Goddard A, Goucher TF. Watanabe CK,
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Pred. No. 8.8e-114;
0; Mismatches 1; Indels (
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                                                     Gerritsen ME, Goddard 1
Smith V, Stephan JF,
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                                                                                                                                                                                                  Claim 11; Fig 236; 314pp; English.
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Best Local Similarity 99.7%;
Matches 326; Conservative
09-APR-2002; 2002US-00119480
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                                                      Baker KP, Desnoyers L, Grimaldi JC, Gurney AL,
                          (GETH ) GENENTECH INC
                                                                                                WPI; 2003-342045/32
                                                                                                               N-PSDB; ACA66958
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The invention describes an isolated nucleic acid molecule comprising a sequence with at least 80% identity to: (a) a nucleotide encoding any of 122 PRO (secreted and transmembrane) polypeptides whose sequences are fully defined in the specification; or (b) any of 122 nucleotide compared to the full length coding sequence of any these 122 nucleotide sequences. The PRO polypeptides or polynucleotides are useful as pharmaceuticals, diagnostics, blosensors or bioreactors. These are particularly useful for detecting tumours (e.g. lung tumour, colon tumour) in a mammal, for stimulating the release of TMF-alpha from human blood, in a mammal, for stimulating the release of TMF-alpha from human blood, or cells, for stimulating proliferation or differentiation of chondrocyte cells, for stimulating proliferation or differentiation of chondrocyte colls, for stimulating proliferation or differentiation of chondrocyte colls, or stimulating proliferation or differentiation of chondrocyte colls, sortes injuriated disorders (e.g. sports injuries or arthritis), or wounds. The CR polypeptides are useful in drug screening, particularly as targets for therapeutic intervention in these diseases, and in the diagnostic cartilated of thuman cold the presence of these diseases. The PRO polypeptides are useful as molecular weight markers, or for chromosome calso useful as molecular weight markers, or for chromosome calso useful in gene therapy, particularly for replacing a defective consensing libraries of human cDNA, genomic DNA or mRNA. The PRO genes may calso be used in gene therapy, particularly for replacing a defective consense. This is the amino acid sequence of a novel human secreted and consense consense and novel human secreted and consense consense and novel human secreted and consense co
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colon tumour; breast tumour; prostate tumour; rectal tumour; liver tumour; bone disorder; cartilage disorder; sports injury; arthritis; wound.
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TF, Watanabe CK,
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Smith V, Stephan JF,
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29-JUN-2001; 2001WO-US021066.
09-APR-2002; 2002US-00119480.
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Best Local Similarity 99.7
Matches 326; Conservative
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Sequence 327 AA;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Human; secreted and transmembrane protein; PRO; cardiant; cytostatic; antiangiogenic; hypotensive; vulnenry; antiarteriosclerotic; gene therapy; cardiovascular disorder; endothelial disorder; angiogenic disorder; cardiac hypertrophy; trauma; cancer; age-related macular degeneration; atherosclerosis; hypertension; age-related macular degeneration; atherosclerosis; hypertension; thrombophlebitis; lymphangitis; tumour angiogenesis; breast carcinoma; liver carcinoma; wound healing; chromosome mapping; gene mapping.
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                                                                               300
                                                                                              CQVNNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWV 180
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         The invention describes one hundred and eighty seven nucleic acids encoding novel human secreted and transmembrane (PRO) polypeptides. The PRO nucleic acids, polypeptides, agonists and antagonists are useful for treating or diagnosing a cardiovaccular, endothelial or angiogenic disorder in a mammal, e.g. cardiovaccular, endothelial or angiogenic disorder in a mammal, e.g. cardiac hypertrophy, trauma, cancer, agerelated mecular degeneration, atherosclerosis, hypertension, arterial restenosis, rheumatoid arthritis, angina, myocardial infarctions, thrombophlebitis, lymphangitis, tumour angiogenesis (such as breast carcinoma and liver carcinoma) and wound healing. The PRO nucleic acids have applications in molecular biology, including use as hybridisation probes, and in chromosome and gene mapping. This is the amino acid sequence of a novel human secreted and transmembrane PRO polypeptide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Goddard A, Godowski PJ;
phan JF, Watanabe CK, Wood WI;
                                          RLGTFPTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPPQG
                                                                              RVAGALIGVLLGVLLLSVAAFCLVRFQKERGKKPKETYGGSDLREDAIAPGISEHTCMRA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          One hundred and eighty seven nucleic acids encoding PRO polypeptides, useful in diagnosis and treatment of cardiovascular (e.g. myocardial infarction), endothelial or angiogenic disorders in a mammal.
                                                                                                                                                                                                                                                                                                                  Novel human secreted and transmembrane protein PRO7154.
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Smith V, Stephan JF,
                                                                                                                                                     DSSKGFLERPSSASTVTTTKSKLPMVV 327
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01-JUN-2001; 2001WO-US017800.
29-JUN-2001; 2001WO-US021066.
09-APR-2002; 2002US-00119480.
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Grimaldi JC, Gurney AL,
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phan JF, Watanabe CK, Wood WI;
                                                                                                              1 MAELPGPFLCGALLGFLCLSGLAVEVKVPTBPLSTPLGKTAELTCTYSTSVGDSFALEWS
                                                                                                                                                                      FVQPGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYL
                                                                                                                                                                                              FVQPGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYL
                                                                                                                                                                                                                                                      CQVNNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWV
                                                                                                                                                                                                                                                                                121 CQVNNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWV
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                                                                                    1 MABLIPGPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWS
                                                                                                                                                                                                                                                                                                                                         RLGTFPTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPPQG
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                                               Gaps
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        327;
                                             1; Indels
        Length
      Score 1691; DB 6;
Pred. No. 8.8e-114;
; Mismatches 1;
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Smith V, Stephan JF,
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                                           0
      99.5%;
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29-JUN-2001; 2001WO-US021066.
09-APR-2002; 2002US-00119480.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             entry)
                                             Matches 326; Conservative
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                         Similarity
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Grimaldi JC,
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Query Match
Best Local S
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                                                                                  Claim 11; Fig 236; 324pp; English.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (first entry)
                                                                                                                                                                                                                                                        Query Match 99.5
Best Local Similarity 99.7
Matches 326; Conservative
   2003-503301/47
                                                             tumor in a mammal.
               N-PSDB; ABT44626
                                                                                                                                                                                                                                   Sequence 327 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     US2003044934-A1
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stimulating proliferation or gene expression in pericyte cells or the release of TNF-alpha from human blood. Other possible uses include the stimulation or inhibition of chondrocyte proliferation or inhibition of chondrocyte proliferation or inhibition of the presence of a tumour within a proliferation and the detection of the presence of a tumour within a mammal. Furthermore, the nucleic acid may be useful for the manufacture of a medicament for diagnosing or treating a tumour within a mammal or for measuring or detecting the expression of an associated gene, as well as during gene therapy. The current sequence is that of the human PRO
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Smith V, Stephan JF, Watanabe CK, Wood WI;
                                                                                                                                                                                                              1 MAELPGPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELICTYSTSVGDSFALEWS
                                                                                                                                                                                                                                              FVQPGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYL
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          PRO; blood; proliferation; pericyte cell; TNF alpha; chondrocyte; tumour necrosis factor; proliferation; differentiation; gene therapy;
                                                                                                                                                                            Gaps
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                                                                                                                                                    Length 327;
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                                                                                                                                                    Score 1691; DB 6;
Pred. No. 8.8e-114;
                                                                                                                                                                           0; Mismatches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ABJ72473 standard; protein; 327
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29-JUN-2001; 2001WO-US021066.
09-APR-2002; 2002US-00119480.
                                                                                                                                                    99.5%;
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Gurney AL,
                                                                                                                                                                            Conservative
                                                                                                        protein of the invention
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Human PRO7154 protein.
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                                                                                                                                                    Query Match
Best Local Similarity
Matches 326; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       tumour necrosis factermal fibroblast.
                                                                                                                              Sequence 327 AA;
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Grimaldi JC,
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                                                                                                                                                                                                                                            The invention relates to a novel isolated PRO protein encoding nucleic acid. The nucleic acid of the invention may be useful for preparing PRO polypeptides and anti-PRO antibodies for detecting the presence of a tumour in a mammal. Furthermore, the molecules of the invention may be useful for stimulating proliferation or gene expression in pericyte cells, the release of tumour necrosis factor (TNF)-alpha from human blood, the proliferation or differentiation of chondrocyte cells and for inhibiting the proliferation of normal human dermal fibroblast cells. Finally, the molecules may be utilised during gene therapy. The current sequence is that of the human PRO protein of the invention
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human dermal fibroblast stimulation; tumour; tissue typing;
affinity purification.
New PRO protein encoding nucleic acid, useful for preparing PRO polypeptides and anti-PRO antibodies for detecting the presence of
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99.7%; Pred. No. 8.8e-114;
iive 0; Mismatches 1;
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One hundred and twenty two nucleic acids encoding PRO polypeptides, useful for the manufacture of a medicament for diagnosing or treating
                     Human membrane bound receptor/protein PRO7154 amino acid sequence.
                                                    Human, PRO; membrane bound protein, membrane bound receptor, cell proliferation; cell migration, cell differentiation; mitogenic factor; survival factor; optotoxic factor; differentiation factor; neuropeptide; hormone; cell receptor, receptor-ligand interaction; cytostatic; chondrocyte; tumour.
                                                                                                                                                                                                                                                                                                                                  24-FEB-2000; 2000WO-US005004
02-MAR-2000; 2000WO-US005841
01-JUN-2001; 2001WO-US017800
29-JUN-2001; 2001WO-US021066
                                                                                                                                                                                                                                                                             29-AUG-2002; 2002US-00232224
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N-PSDB; ABT43999.
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                                                                                                                                                                   Homo sapiens
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                                                                                                                                                                                                                                        03-APR-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Baker KP,
     The invention relates to an isolated nucleic acid encoding a PRO polypeptide. Nucleic acids that encode PRO can be used to generate either transgenic animals or knock-out animals useful in developing and screening of therapeutically useful reagents. The nucleic acids may also be used in gene therapy for replacing defective gene, in chromosome identification, as chromosome markers, or in generating probes to isolate (ull length PRO cDNA. The PRO polypeptides are useful for chondrocyte stimulation, TNF-alpha stimulation, human dermal fibroblasts stimulation and for detecting the presence of tumour in an mammal. The PRO polypeptides are useful in problasts stimulation and the isolated nucleic acids may be used for recombinantly expressing those markers. The PRO polypeptides are useful in diagnostic assays for prot in affinity purification of PRO from recombinant cell culture or natural sources. The present sequence represents the amino acid sequence of a human secreted/transmembrane PRO polypeptide
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                                                                                                        Gerritsen ME, Goddard A, Godowski PJ;
Smith V, Stephan JF, Watanabe CK, Wood WI;
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                                                                                                                                                                                                                   New transmembrane polypeptides and nucleic acids encoding the polypeptides, useful in gene therapy, in chromosome identification, chromosome markers, or in generating probes.
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Pred. No. 8.8e-114;
0; Mismatches 1;
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                                                                                                                                                                                                                                                                                             Claim 19; Fig 236; 315pp; English.
                 29-JUN-2001; 2001WO-US021066.
09-APR-2002; 2002US-00119480.
01-JUN-2001; 2001WO-US017800.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             99.5%;
                                                                                                        Baker KP, Desnoyers L,
Grimaldi JC, Gurney AL,
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                                                                     (GETH ) GENENTECH INC
                                                                                                                                                           WPI; 2003-492274/46.
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Best Local Similarity
Matches 326; Conserv
                                                                                                                                                                                  N-PSDB; ACD82293
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 327 AA;
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셤 ò 셤 8 g ò 셤 ò g ઠ 셤

Goddard A, Godowski PJ; phan JF, Watanabe CK, Wood WI;

Gerritsen ME, Goddard Smith V, Stephan JF,

Desnoyers L,

This invention relates to one hundred and twenty two novel nucleic acids encoding human PRO membrane bound proteins or receptors. Extracellular proteins play important roles in the formation, differentiation and maintenance of multicellular organisms. The fate of many individual cells of contents of maintenance of multicellular organisms. The fate of many individual cells of for example proliferation, migration or differentiation) is typically converned by information is often transmitted by secreted immediate environment. The information is often transmitted by secreted convergence of collapse of for example mitogenic factors, survival factors, cytotoxic polypeptides (for example mitogenic factors, survival factors, cytotoxic convectived and interpreted by diverse cell receptors or membrane bound proteins and receptors may be of use as proteins. These membrane bound proteins and receptors may be of use as proteins. The convel proteins of receptor convectived and interactions. The current invention provides the amino acid sequences of novel human membrane bound receptors and proteins, along with the cDNA sequences encoding them. The novel proteins of the invention may have cytostatic acids of the invention may be useful for the manufacture of a medicament for diagnosing or treating a tumour in a mammal. In addition, they may be useful for measuring or detecting the amino conversesion of a tumour associated gene. The present sequence is the amino converse conversesion of a tumour associated gene. The present sequence is the amino ö FVQPGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYL 120 FVQPGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYL 120 9 1 MAELPGPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWS MAELPGPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWS Gaps .; 0 Length 327; Indels ; Score 1691; DB 7; Pred. No. 8.8e-114; 0; Mismatches 1; Claim 11; Fig 236; 315pp; English. 99.5%; Query Match Best Local Similarity 99.7 Matches 326; Conservative Sequence 327 AA; 61 셤 ð ð 셤

301

ABJ72175 standard; protein; 327 AA.

RESULT 13 ABJ72175

16-OCT-2003 (first entry)

ABJ72175;

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PRO1025, PRO1181, PRO126, PRO1005, PRO1909, PRO1011, PRO1011, PRO11015, PRO11026, PRO10106, PRO101029, PRO101029, PRO10104, PRO10106, PRO10104, PRO10107, PRO10106, PRO10106, PRO10106, PRO10106, PRO10107, PRO10107, PRO10106, PRO10106, PRO10107, PRO10107, PRO10106, PRO10106, PRO10107, PRO10101, PRO10106, PRO10106, PRO10107, PRO10107, PRO10107, PRO10106, PRO10107, PR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        61 FVQPGKPISBSHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYL 120
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              181 RIGIFFINESPGSMVQDEVSGQLILTNLSLISSGTYRCVAINQMGSASCELTLSVTEPSQG
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      181 RLGTFPTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPPQG
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         99.5%; Score 1691; DB 7; Length 327; 99.7%; Pred. No. 8.8e-114; ive 0; Mismatches 1; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  transmembrane PRO polypeptide.
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Best Local Similarity 99.7
Matches 326; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 327 AA;
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                                                                                                                                                                                                             300
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           New PRO polypeptides and nucleic acids encoding the polypeptides, useful in gene therapy, chromosome identification, tissue typing, or as hybridization probes in chromosome and gene mapping.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    human; secreted and transmembrane protein; PRO; cytostatic; vulnerary; antiarthritic; pericyte cell proliferation; pericyte cell differentiation; chondrocyte cell differentiation; unmour necrosis factor alpha release; (TNF)-alpha release; dermal fibroblast cell proliferation; dermal fibroblast cell proliferation; colon tumour; breast tumour; prostate tumour; rectal tumour; liver tumour; tissue typing; chromosome mapping; gene mapping;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Gerritsen ME, Goddard A, Godowski PJ;
Smith V, Stephan JF, Watanabe CK, Wood WI;
                        COVNNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWV
                                                                                                                                         181 RLGTFPTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQG
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                                             CQVNNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWV
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09-APR-2002; 2002US-00119480.
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Grimaldi JC, Gurney AL,
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The invention describes an isolated PRO (secreted and transmembrane)

CC Delyapetide (I) PRO982, PRO1160, PRO1187 or PRO1329 polypeptide are

useful for stimulating the proliferation of or gene expression in

pericyte cells. PRO357, PRO252, PRO1350, PRO1419, polypeptide are useful

CC for stimulating the proliferation or differentiation of chondrocyte

cells. PRO357, PRO752, PRO136, PRO1419, PRO1419, PRO1419,

REMO141, PRO131, PRO556, PRO155, PRO1516, PRO1419, PRO1419, PRO1419,

REMO147, PRO317, PRO556, PRO1065, PRO1069, PRO1410, PRO1419, PRO1414,

PRO147, PRO1310, PRO1186, PRO1186, PRO1186, PRO1187, PRO1414, PRO1411, PRO1416,

CC PRO1486, PRO1181, PRO1186, PRO1186, PRO1187, PRO1486, PRO13181,

PRO1286, PRO1181, PRO1187, PRO1186, PRO1187, PRO1486, PRO13187,

CC PRO1887, PRO1328, PRO1887, PRO1186, PRO1187, PRO1484, PRO1412,

CC PRO1887, PRO1328, PRO1887, PRO1186, PRO1187, PRO1486, PRO1326,

CC PRO1887, PRO1328, PRO1886, PRO1181, PRO1181, PRO1326,

CC PRO1887, PRO1328, PRO1886, PRO1181, PRO1181, PRO1488, PRO1439, PRO1486,

CC PRO1887, PRO1886, PRO1184, PRO1187, PRO1488, PRO4332, PRO18678,

CC PRO1887, PRO1886, PRO1886, PRO1189, PRO1419, PRO18678,

CC PRO1887, PRO1886, PRO1886, PRO1887, PRO1887, PRO1867,

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CC THINIBITION THE PRO1888, PRO1887, PRO1887, PRO1888, PRO4182,

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CC THE SAMPLE OF THE SAME CELL THE PRO1888, PRO1888,

CC THE SAMPLE OF THE SAME CELL THE PRO PRO18888 THE PRO1888 THE One hundred and twenty two nucleic acids encoding PRO polypeptides, useful in gene therapy, chromosome identification, tissue typing, or as hybridization probes in chromosome and gene mapping. Gerritsen ME, Goddard A, Godowski PJ; Smith V, Stephan JF, Watanabe CK, Wood WI; dermal fibroblast cell differentiation inhibitor; tumour; lung tumour; colon tumour; breast tumour; prostate tumour; rectal tumour; liver tumour; tissue typing; chromosome mapping; gene mapping; Claim 11; Fig 236; 305pp; English. ransmembrane PRO polypeptide. 01-JUN-2001; 2001WO-US017800. 29-JUN-2001; 2001WO-US021066. 09-APR-2002; 2002US-00119480. 13-AUG-2002; 2002US-00219481 Baker KP, Desnoyers L, Grimaldi JC, Gurney AL, (GETH ) GENENTECH INC. WPI; 2003-657982/62. N-PSDB; ADB80831 US2003088068-A1. Homo sapiens gene therapy 08-MAY-2003, Baker

99.5%; Score 1691; DB 7; Length 327; 99.7%; Pred, No. 8.8e-114; ive 0; Mismatches 1; Indels 0 Best Local Similarity 99.7 Matches 326; Conservative Sequence 327 AA; Query Match

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Gaps ö

180 300 120 241 RVAGALIGVLLGVLLGVLLSVAAFCLVRFQKERGKKPKETYGGSDLREDALAPGISEHTCMRA 300 9 9 FVQPGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYL CQVNNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWV 181 RLGTFPTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQG 1 MAELPGPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWS 1 MAELPGPFLCGALLGFLCTSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWS FVQPGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYL 181 RLGTFPTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPPQG 241 RVAGALIGVLLGVLLLSVAAFCLVRFQKERGKKPKETYGGSDLREDAIAPGISEHTCMRA DSSKGFLERPSSASTVTTTKSKLPMVV 327 301 DSSKGFLERPSSASTVTTTKSKLPMVV 327 61 121 301 g g ò g ò В ð 셤 8

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Sequence 60, Appl
Sequence 236, App
                                                                                                                   August 4, 2005, 06:13:42; Search time 87.4135 Seconds (without alignments) 1447.018 Million cell updates/sec
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1: /cgn2_6/ptodata/1/pubpaa/USO7_PUBCOMB.pep:*
2: /cgn2_6/ptodata/1/pubpaa/USO7_NEW_PUB.pep:*
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7: /cgn2_6/ptodata/1/pubpaa/USO7_PUBCOMB.pep:*
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13: /cgn2_6/ptodata/1/pubpaa/USO8_PUBCOMB.pep:*
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16: /cgn2_6/ptodata/1/pubpaa/USO8_PUBCOMB.pep:*
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18: /cgn2_6/ptodata/1/pubpaa/USO8_PUBCOMB.pep:*
GenCore version 5.1.6
Copyright (c) 1993 - 2005 Compugen Ltd.
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US-10-607-565-60
US-10-227-884-236
US-10-230-138-236
US-10-218-631-236
US-10-218-631-236
US-10-218-631-236
US-10-218-631-236
US-10-218-631-236
US-10-218-849-236
US-10-218-849-236
US-10-227-873-236
                                                                                                                                                                                                                                                                                                                                                                                         Total number of hits satisfying chosen parameters:
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Maximum Match 100%.
Listing first 45 summaries
                                                                                                                                                                                                    US-10-607-565-60_COPY_4_327
1685
                                                                              protein search, using sw model
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Gapop 10.0 , Gapext 0.5
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Maximum DB seq length: 200000000
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Match Length
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US-10-227-883-236

US-10-239-076-236

US-10-239-075-236

US-10-219-075-236

US-10-219-464-236

US-10-219-464-236

US-10-219-466-236

US-10-219-441-236

US-10-219-441-236

US-10-219-481-236

US-10-219-481-236

US-10-219-481-236

US-10-219-481-236

US-10-219-481-236

US-10-219-528-236

US-10-219-528-236

US-10-219-528-236

US-10-219-528-236

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US-10-219-528-236

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US-10-227-881-236

US-10-227-881-236
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US-10-232-229-236
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US-10-216-160-236
                                                                                                                                    US-10-232-234-236
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RESULT I
RESULT I
US-09-820-893-60
; Sequence 60, Application US/09820893
; Patent No. US20020076705A1
; GENERAL INFORMATION:
 TILLE OF INVENTION:
 TILLE OF INVENTION: 31 Human Secreted Proteins
 TILLE OF INVENTION: 31 Human Secreted Proteins
 FILE REFERENCE: PE033P1
CURRENT APPLICATION NUMBER: US/09/820,893
CURRENT FILING DATE: 2001-03-30
; PRIOR PLILING DATE: 2000-03-20
; PRIOR PLING DATE: 1998-10-02
; NUMBER OF SEQ ID NOS: 140
; SEQ ID NOS: 140
; SEQ ID NO 60
; LENGTH: 327
; TYPE: PRT

US-09-823-60
US-09-833-60

Query Match

100.0%; Score 1685; DB 9; Length 327;

Best Local Similarity 100.0%; Pred. No. 7.8e-120;

Matches 324; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

1 LPGPFLGGALIGELCLEGIAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWSFVQ 60

1 LPGPFLCGALLGGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWSFVQ 63

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TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC ITLE OF INVENTION: ACIDS ENCODING THE SAME FILE REFERENCE: P3530PIC79
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Godowski, Paul J.
Grimaldi, J. Christopher
Gurney, Austin L.
Smith, Victoria
Stephan, Jean-Philippe F.
Watanabe, Colin L.
Wood, William I.
                              APPLICANT: Baker, Kevin P.
APPLICANT: Desnoyers, Luc
APPLICANT: Gerritsen, Mary
                                                                                                                      APPLICANT:
APPLICANT:
APPLICANT:
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APPLICANT:
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                181 TFPTPSPGSMVQDEVSGQLILITNLSLTSSGTYRCVATNQMGSASCELTLSVTEPPQGRVA 240
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                                                             TFPTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPPQGRVA 240
                                                                                                                        GALIGVLLGVLLSVAAFCLVRFQKERGKKPKETYGGSDLREDAIAPGISEHTCMRADSS 300
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       4 LPGPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELICTYSTSVGDSFALEWSFVQ 63
NNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWVRLG
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                                                                                                                                        244 GALIGVILGVILISVAAFCLVRFQKERGKKPKETYGGSDLREDAIAPGISEHTCMRADSS
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TITLE OF INVENTION: 31 Human Secreted Proteins
FILE REFERENCE: P2033P1
CURRENT APPLICATION NUMBER: US/10/607,565
CURRENT FILING DATE: 2003-06-27
FRIOR APPLICATION NUMBER: US/09/531,119
FRIOR FILING DATE: 2000-08-8: 2000-09-8: PRIOR FILING DATE: 2000-09-8: PRIOR FILING DATE: EARLIER APPLICATION NUMBER: 60/101,546
FRIOR FILING DATE: EARLIER FILING DATE: 1998-09-23
FRIOR FILING DATE: EARLIER FILING DATE: 1998-10-02
NUMBER OF SEQ ID NOS: 110
SOFTWARE: PALENTIN VET. 2.0
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100.0%; Score 1685; DB 15; Length 327;
Best Local Similarity 100.0%; Pred. No. 7.8e-120;
Matches 324; Conservative 0; Mismatches 0; Indels 0;
                                                                                                                                                                                                   304 KGFLERPSSASTVTTTKSKLPMVV 327
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US-10-227-884-236
; Sequence 236, Application US/10227884
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Publication No. US20040048294A1
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TYPE: PRT
ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                             RESULT 2
US-10-607-565-60
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LENGTH: 327
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R FILING DATE: 1998-10-28
R APPLICATION NUMBER: 60/106248
R FILING DATE: 1998-10-29
R RAPPLICATION NUMBER: 60/106464
R FILING DATE: 1998-10-30
R APPLICATION NUMBER: 60/106905
R APPLICATION NUMBER: 60/106905
R APPLICATION NUMBER: 60/108787
R FILING DATE: 1998-11-03
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R FAPLICATION NUMBER: 60/11558
R FILING DATE: 1999-01-12
R APPLICATION NUMBER: 60/115565
R APPLICATION DATE: 1999-01-12
R APPLICATION NUMBER: 60/115733
R FILING DATE: 1999-01-12
APPLICATION NUMBER: 60/096146
FILING DATE: 1998-08-11
APPLICATION NUMBER: 60/096791
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FILING DATE: 1998-11-17
APPLICATION NUMBER: 60/108849
                                                                                 FILING DATE: 1998-08-17
APPLICATION NUMBER: 60/097986
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APPLICATION NUMBER: 60/098544
                                                                                                                                                                                         FILING DATE: 1998-08-31
APPLICATION NUMBER: 60/099596
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FILING DATE: 1998-09-09
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FILING DATE: 1998-09-10
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LING DATE: 1998-09-10
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FILING DATE: 1998-09-10
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FILING DATE: 1998-09-10
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APPLICATION NUMBER: 60/100385
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FILING DATE: 1998-09-15
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FILING DATE: 1998-09-16
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FILING DATE: 1998-09-18
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FILING DATE: 1998-09-17
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FILING DATE: 1998-09-23
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FILING DATE: 1998-09-24
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APPLICATION NUMBER: 60/101922
APPLICATION NUMBER: 60/101922
APPLICATION NUMBER: 60/106178
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APPLICATION NUMBER: 60/112422
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APPLICATION NUMBER: 60/101916
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FILING DATE: 1998-12-22
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APPLICATION NUMBER: 60/113621
FILING DATE: 1998-12-23
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R FILING DATE: 1999-03-23

R APPLICATION NUMBER: 60/126773

R APPLICATION NUMBER: 60/127887

R FILING DATE: 1999-04-05

R FILING DATE: 1999-04-18

R FILING DATE: 1999-04-21

R FILING DATE: 1999-04-21

R APPLICATION NUMBER: 60/131022 R APPLICATION NUMBER: 60/131291 R FILING DATE: 1999-04-27 R FILING DATE: 1999-04-28 R FILING DATE: 1999-04-28 R APPLICATION NUMBER: 60/134287 R APPLICATION NUMBER: 60/14050 R APPLICATION NUMBER: 60/14050 R FILING DATE: 1999-06-22 FILING DATE: 1999-04-26 APPLICATION NUMBER: 60/131270 FILING DATE: 1999-04-27 APPLICATION NUMBER: 60/140723 FILING DATE: 1999-06-22 APPLICATION NUMBER: 60/141037 FILING DATE: 1999-06-23 APPLICATION NUMBER: 60/144758 FILING DATE: 1999-07-20 APPLICATION NUMBER: 60/145698 FILING DATE: 1999-07-26 APPLICATION UNDBER: 60/146222 FILING DATE: 1999-07-28 APPLICATION NUMBER: 60/146963 PILING DATE: 1999-08-03 APPLICATION NUMBER: 60/149320 FILING DATE: 1999-08-17
APPLICATION NUMBER: 60/149638 APPLICATION NUMBER: 60/164418 FILING DATE: 1999-11-09 FILING DATE: 1999-03-19 APPLICATION NUMBER: 60/125775 FILING DATE: 1999-08-17
APPLICATION NUMBER: 60/151733 APPLICATION NUMBER: 60/169495 APPLICATION NUMBER: 60/169835 FILING DATE: 1999-03-10 FILING DATE: 1999-08-31 PRIOR PRIOR

Ouery Match 99.5%; Score 1677; DB 14; Length 327; Best Local Similarity 99.7%; Pred. No. 3.2e-119; Matches 323; Conservative 0; Mismatches 1; Indels 0; Gaps

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TFPTPSPGSMVQDEVSGQLILINLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQGRVA 24

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NNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWVRLG 180

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DR FILING DATE: 1998-06-24

DR APPLICATION NUMBER: 60/090691

DR FILING DATE: 1998-06-25

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DR FILING DATE: 1998-06-25

DR FILING DATE: 1998-07-07

DR APPLICATION NUMBER: 60/095302

DR FILING DATE: 1998-08-04

DR APPLICATION NUMBER: 60/095318

DR FILING DATE: 1998-08-04

DR FILING DATE: 1998-08-04

PRILING DATE: 1998-08-04

DR FILING DATE: 1998-08-04

DR PLING DATE: 1998-08-04
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APPLICATION NUMBER: 60/099803
FILING DATE: 1998-09-10
APPLICATION NUMBER: 60/099811
FILING DATE: 1998-09-10
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APPLICATION NUMBER: 60/100919
FILING DATE: 1998-09-17
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APPLICATION NUMBER: 60/101741
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APPLICATION VNHBER: 60/108849
FILING DATE: 1998-11-18
APPLICATION NUMBER: 60/112422
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APPLICATION NUMBER: 60/096146
FILING DATE: 1998-08-11
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FILING DATE: 1998-08-26
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FILING DATE: 1998-08-31
APPLICATION NUMBER: 60/099596
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APPLICATION NUMBER: 60/099598
FILING DATE: 1998-09-09
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FILING DATE: 1998-09-10
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FILING DATE: 1998-09-10
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FILING DATE: 1998-09-11
APPLICATION NUMBER: 60/100385
FILING DATE: 1998-09-15
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APPLICATION NUMBER: 60/100627
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APPLICATION NUMBER: 60/100848
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FILING DATE: 1998-09-23
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APPLICATION NUMBER: 60/101786
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APPLICATION NUMBER: 60/101916
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APPLICATION NUMBER: 60/101922
FILING DATE: 1998-09-24
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FILING DATE: 1998-10-28
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FILING DATE: 1998-10-29
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FILING DATE: 1998-10-30
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APPLICATION NUMBER: 60/108787
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APPLICATION NUMBER: 60/108801
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FILING DATE: 1998-08-17
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                          GALIGVILGVILLSVAAFCLVRFOKERGKKPKETYGGSDLREDAIAPGISEHTCMRADSS 300
                                                           244 GALIGVILGVILLSVAARCLVRFQKERGKKPKETYGGSDLREDAIAPGISEHTCMRADSS 303
                                                                                                                                     Sequence 236, Application US/10230163
Publication No. US20030036635A1
GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Desnoyers, Luc
APPLICANT: Gerritsen, Mary
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APPLICANT: Gurney, Austrin L.
APPLICANT: Gurney, Austrin L.
APPLICANT: Swith, Victoria
APPLICANT: Swith, Victoria
APPLICANT: Swith, Victoria
APPLICANT: Stephan, Jean-Philippe F.
APPLICANT: Watanabe, Colin L.
APPLICANT: Watanabe, Colin L.
APPLICANT: Wood, William I.
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
TITLE OF INVENTION: ACIDS ENCODING THE SAME
FILE REFERENCE: P3530PL022
CURRENT APPLICATION NUMBER: US/10/230,338
CURRENT FILING DATE: 2002-04-09
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/063549
PRIOR FILING DATE: 1997-09-17
PRIOR PILING DATE: 1997-10-17
PRIOR PILING DATE: 1997-10-31
PRIOR PILING DATE: 1997-10-31
PRIOR PILING DATE: 1997-10-31
PRIOR APPLICATION NUMBER: 60/069873
PRIOR PILING DATE: 1998-03-26
PRIOR PILING DATE: 1998-03-26
PRIOR PILING DATE: 1998-03-25
PRIOR PILING DATE: 1998-03-26
PRIOR PILING DATE: 1998-03-27
PRIOR PILING DATE: 1998-03-26
PRIOR PILING DATE: 1998-03-27
PRIOR PILING DATE: 1998-03-26
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                                      PGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYLCQV 120
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4 LPGPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWSFVQ 63
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Grimaldi, J. Christopher
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                                                                                                                                                                                                                                                                                FILING DATE: 1998-12-22
APPLICATION NUMBER: 60/113605
FILING DATE: 1998-12-23
APPLICATION NUMBER: 60/113621
FILING DATE: 1998-12-23
                                                                                                                     APPLICATION NUMBER: 60/115558
FILING DATE: 1999-01-12
APPLICATION NUMBER: 60/115565
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APPLICATION NUMBER: 60/115733
FILING DATE: 1999-01-12
APPLICATION NUMBER: 60/119549
FILING DATE: 1999-02-10
               PLICATION NUMBER: 60/113296
LING DATE: 1998-12-22
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FILING DATE: 1999-03-10
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PRIOR APPLICATION NUMBER: 60/169835
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ORGANISM: Homo Sapien

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US-10-230-338-236

Query Match

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TILE REFERENCATION NUMBER: US/10/230,414
CURRENT PELING DATE: 2002-08-28
PRIOR PEPLICATION NUMBER: US/119,480
PRIOR FILING DATE: 2002-04-09
PRIOR FILING DATE: 2002-04-09
PRIOR FILING DATE: 1997-09-17
PRIOR PELING DATE: 1997-09-17
PRIOR PELING DATE: 1997-09-17
PRIOR PELING DATE: 1997-10-17
PRIOR PELING DATE: 1997-10-17
PRIOR APPLICATION NUMBER: 60/063849
PRIOR PILING DATE: 1997-10-31
PRIOR PILING DATE: 1998-03-20
PRIOR PILING DATE: 1998-03-20
PRIOR PILING DATE: 1998-03-26
PRIOR PELING DATE: 1998-03-26
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US-10-230-414-236
'Sequence 236, Application US/10230414
'Publication No. US2003005044881
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APPLICANT: Desnoyers, Luc
APPLICANT: Gerritsen, Mary
                              ; ORGANISM: Homo Sapien
US-10-218-631-236
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     TYPE: PRT
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APPLICANT: Desnoyers, Luc.
APPLICANT: Gerriteen, Mary
APPLICANT: Gerriteen, Mary
APPLICANT: Gerriteen, Mary
APPLICANT: Grimald, Audrey,
APPLICANT: Grimald, J. Christopher
APPLICANT: Grimald, J. Christopher
APPLICANT: Grimald, J. Christopher
APPLICANT: Smith, Victoria
APPLICANT: Smith, Victoria
APPLICANT: Matanabe, Colin L.
APPLICANT: Wood, William I.
TITLE OF INVENTION: SECRETE AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
TITLE OF INVENTION: SECRETE AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
TITLE OF INVENTION: SECRETE AND TRANSMEMBRANE
FILE BEFRENCE: P3530PLGI L.
TITLE OF INVENTION: ACIDS ENCODING THE SAME
FILE REPRENCE: P3530PLGI L.
TITLE OF INVENTION NUMBER: 10/119,480
PRIOR PLILNG DATE: 1997-00-17
PRIOR PLILNG DATE: 1997-00-17
PRIOR PLILNG DATE: 1997-00-17
PRIOR PLILNG DATE: 1997-00-18
PRIOR PLILNG DATE: 1997-00-28
PRIOR PLILNG DATE: 1997-00-28
PRIOR PLILNG DATE: 1997-00-18
PRIOR APPLICATION NUMBER: 60/063849
PRIOR PLILNG DATE: 1997-00-326
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                                                                                                                        4 LPGPPLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWSFVQ 63
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                                                                                 1 LPGPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWSFVQ
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  Pred. No. 3.2e-119;
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o. US20030045687A1
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99.78;
                            Matches 323; Conservative
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     Best Local Similarity
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Publication No. US20
GENERAL INFORMATION:
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APPLICANT: Godowski, Paul J.
APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, J. Christopher
APPLICANT: Grimaldi, J. Christopher
APPLICANT: Smith, Victoria
APPLICANT: Stephan, Jean-Philippe F.
APPLICANT: Wood, William I.
APPLICANT: Wood, William I.
APPLICANT: ALGORATED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLBIC TITLE OF INVENTION: ACIDS ENCODING THE SAME
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                                                                                                                       1 LPGPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWSFVQ
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                                                           Gaps
                                                           .
0
      Length 327;
                                                           Indels
Query Match 99.5%; Score 1677; DB 14; Best Local Similarity 99.7%; Pred. No. 3.2e-119; Matches 323; Conservative 0; Mismatches 1;
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PGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYLCQV 120
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APPLICANT: Goddard, Audrey
APPLICANT: Gramaldi, J. Christopher
APPLICANT: Gramaldi, J. Christopher
APPLICANT: Gramaldi, J. Christopher
APPLICANT: Smith, Victoria
APPLICANT: Stephan, Jean-Philippe F. APPLICANT: Watamabe, Colin L. APPLICANT: Watamabe, Colin L. TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
                                                                                                                                                                                                                                                                                                                                                                                                                   Gaps
                        PRIOR FILING DATE: 1998-03-25
PRIOR APPLICATION NUMBER: 60/079656
PRIOR FILING DATE: 1998-03-26
PRIOR PAPLICATION NUMBER: 60/079728
PRIOR PILING DATE: 1998-03-27
Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 246
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CURRENT APPLICATION NUMBER: US/10/216,159A
CURRENT FILING DATE: 2002-08-09
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PRIOR FILING DATE: 2002-04-09
PRIOR FILING DATE: 1997-09-17
PRIOR PELING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/062287
PRIOR FILING DATE: 1997-10-17
PRIOR APPLICATION NUMBER: 60/063549
PRIOR FILING DATE: 1997-10-28
PRIOR APPLICATION NUMBER: 60/063149
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APPLICANT: Desnoyers, Luc
APPLICANT: Gerritsen, Mary
                                                                                                                                                                                                                                                                                                                                                             Query Match
Best Local Similarity 99.77
Matches 323; Conservative
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ORGANISM: Homo Sapien
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APPLICANT: Goddard, Audrey
APPLICANT: Goddard, Audrey
APPLICANT: Grimaldi, J. Christopher
APPLICANT: Grimaldi, J. Christopher
APPLICANT: Grimaldi, J. Christopher
APPLICANT: Grimaldi, J. Christopher
APPLICANT: Smith, Victoria
APPLICANT: Smith, Victoria
APPLICANT: Watanabe, Colin L.
APPLICANT: Watanabe, Colin L.
APPLICANT: Wood, William I.
TITLE OF INVENTION: BCEREPED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
TITLE OF INVENTION: ACIDS ENCODING THE SAME
FILE REFERENCE: P3530PIC111
CURRENT APPLICATION NUMBER: U3/10/232,224
CURRENT FILING DATE: 2002-04-09
PRIOR FILING DATE: 2002-04-09
PRIOR FILING DATE: 1997-09-17
PRIOR PRILING DATE: 1997-09-17
PRIOR PILING DATE: 1997-10-17
PRIOR PILING DATE: 1997-10-17
PRIOR PILING DATE: 1997-10-31
PRIOR PILING DATE: 1997-10-31
PRIOR PILING DATE: 1997-10-31
PRIOR PILING DATE: 1997-12-17
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                          Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 246
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                                                                                                                                                                                                                               Length 327;
                                                                                                                                                                                                                                                                                  Indels
                                                                                                                                                                                                                         99.5%; Score 1677; DB 14; 99.7%; Pred. No. 3.2e-119;
                                                                                                                                                                                                                                                                               0; Mismatches
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Publication No. US20030065147A1
GENERAL INFORMATION:
PRIOR FILING DATE: 1998-03-27
                                                                                                                                                                                                                    Query Match
Best Local Similarity 99.77
Matches 323; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                APPLICANT: Baker, Kevin P.
APPLICANT: Desnoyers, Luc
APPLICANT: Gerritsen, Mary
                                                                                                                TYPE: PRT

ORGANISM: Homo Sapien

US-10-230-414-236
                                                                        SEQ ID NO 236
                                                                                                                                                                                                                                                                                                                                                                                                                                      61
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Goddard, Audrey

// ORGANISM: Homo Sapien
US-10-218-849-236
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PRIOR FILING DATE: 1997-10-31
PRIOR APPLICATION NUMBER: 60/069873
PRIOR FILING DATE: 1997-12-17
PRIOR FILING DATE: 1997-12-17
PRIOR PELING DATE: 1998-03-20
PRIOR PELING DATE: 1998-03-20
PRIOR PILING DATE: 1998-03-26
PRIOR PILING DATE: 1998-03-3-3
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CURRENT APPLICATION NUMBER: US/10/218,849
CURRENT FILING DATE: 2002-08-12
Prior Application removed - See File Wrapper or Palm
NUMBER OF SEQ ID NOS: 246
LENGTH: 327
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1 LPGPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWSFVQ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Gaps
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Publication No. US20030073814A1
GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Gerritsen, Mary
APPLICANT: Gerritsen, Mary
APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, J. Christopher
APPLICANT: Grimaldi, J. Christopher
APPLICANT: Smith, Victoria
APPLICANT: Smith, Victoria
APPLICANT: Smith, Victoria
APPLICANT: Smith, Victoria
APPLICANT: Watanabe, Colin L.
APPLICANT: Watanabe, Colin L.
APPLICANT: Watanabe, Colin L.
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; ORGANISM: Homo Sapien
US-10-216-159A-236
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APPLICANT: Stephan, Jean-Philippe F.
APPLICANT: Stephan, Jean-Philippe F.
APPLICANT: Watanabe, Colin L.
APPLICANT: Watanabe, Colin L.
APPLICANT: Wood, William I.
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
TITLE OF INVENTION: ACIDS ENCODING THE SAME
FILE SPEREMENT SPELATION NUMBER: US/10/227,873
CURRENT APPLICATION NUMBER: US/119,480
PRIOR APPLICATION NUMBER: US/119,480
PRIOR APPLICATION NUMBER: 60/069113
PRIOR APPLICATION NUMBER: 60/069113
PRIOR FILING DATE: 1997-09-17
PRIOR PLING DATE: 1997-09-17
PRIOR PLING DATE: 1997-10-17
PRIOR APPLICATION NUMBER: 60/063549
PRIOR FILING DATE: 1997-10-21
PRIOR PLING DATE: 1997-10-21
PRIOR PLING DATE: 1997-10-21
PRIOR PLING DATE: 1997-12-17
PRIOR PLING DATE: 1997-12-17
PRIOR PLING DATE: 1997-12-17
PRIOR PLING DATE: 1998-03-26
PRIOR PLING DATE: 1998-03-26
PRIOR PLING DATE: 1998-03-26
PRIOR PRIOR APPLICATION NUMBER: 60/079656
PRIOR PRIOR APPLICATION NUMBER: 60/079656
PRIOR PRIOR APPLICATION NUMBER: 60/079656
PRIOR PRIOR PRILING DATE: 1998-03-26
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0
Score 1677; DB 14; Length 327; Pred. No. 3.2e-119; 0; Mismatches 1; Indels 0
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Publication No. US20030073816A1
GENERAL INFORMATION:
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Grimaldi, J. Christopher
Gurney, Austin L.
Smith, Victoria
Query Match 99.5%; Sc
Best Local Similarity 99.7%; Pr
Matches 323; Conservative 0;
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R APPLICATION NUMBER: 60/081819
R FILING DATE: 1998-04-15
A PPLICATION NUMBER: 60/081955
R FILING DATE: 1998-04-15
R APPLICATION NUMBER: 60/082804
R FILING DATE: 1998-04-22
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R APPLICATION NUMBER: 60/099816
R FILING DATE: 1998-09-10
R FILING DATE: 1998-09-10
R FILING DATE: 1998-09-11
R APPLICATION NUMBER: 60/10038
R FILING DATE: 1998-09-15
R APPLICATION NUMBER: 60/10050
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R APPLICATION NUMBER: 60/095318
R FILING DATE: 1998-08-04
R APPLICATION NUMBER: 60/09596
R FILING DATE: 1998-08-10
R FILING DATE: 1998-08-11
R FILING DATE: 1998-08-11
R FILING DATE: 1998-08-11
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R APPLICATION NUMBER: 60/099803
R APPLICATION NUMBER: 60/099811
R FILING DATE: 1998-09-10
R FILING DATE: 1998-09-10
                                                                                                             APPLICATION NUMBER: 60/084441
FILING DATE: 1998-05-06
APPLICATION NUMBER: 60/085323
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APPLICATION UNMBER: 60/085579
FILING DATE: 1998-05-15
APPLICATION NUMBER: 60/086392
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APPLICATION NUMBER: 60/089532
FILING DATE: 1998-06-17
APPLICATION NUMBER: 60/089538
FILING DATE: 1998-06-17
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APPLICATION NUMBER: 60/089905
FILING DATE: 1998-06-18
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FILING DATE: 1998-06-24
APPLICATION NUMBER: 60/090557
FILING DATE: 1998-06-24
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FILING DATE: 1998-06-25
APPLICATION NUMBER: 60/090695
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APPLICATION NUMBER: 60/100848
FILING DATE: 1998-09-18
APPLICATION NUMBER: 60/100919
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APPLICATION NUMBER: 60/101738
FILING DATE: 1998-09-24
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APPLICATION NUMBER: 60/091982
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APPLICATION NUMBER: 60/095302
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APPLICATION NUMBER: 60/097986
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FILING DATE: 1998-08-31
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APPLICATION NUMBER: 60/099596
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FILING DATE: 1998-03-27
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R APPLICATION NUMBER: 60/113296
R APPLICATION NUMBER: 60/113296
R APPLICATION NUMBER: 60/113605
R APPLICATION NUMBER: 60/113618
R FILING DATE: 1998-12-23
R FILING DATE: 1998-12-23
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R APPLICATION NUMBER: 60/115558 R FILING DATE: 1999-01-12
R APPLICATION NUMBER: 60/115733
R FILING DATE: 1999-01-12
R APPLICATION NUMBER: 60/119549
R FILING DATE: 1999-02-10
R APPLICATION NUMBER: 60/123618 R FILING DATE: 1999-04-21
R APPLICATION NUMBER: 60/131022
R FILING DATE: 1999-04-26
R FILING DATE: 1999-04-27
R FILING DATE: 1999-04-27
R APPLICATION NUMBER: 60/131291 APPLICATION NUMBER: 60/101922 FILING DATE: 1998-09-24 FILING DATE: 1998-09-24 APPLICATION NUMBER: 60/106178 FILING DATE: 1998-11-17 APPLICATION NUMBER: 60/108849 FILING DATE: 1998-11-18 FILING DATE: 1998-10-28
APPLICATION NUMBER: 60/106248
FILING DATE: 1998-10-29
APPLICATION NUMBER: 60/106464 FILING DATE: 1998-11-03
APPLICATION UNMBER: 60/108787
FILING DATE: 1998-11-17
APPLICATION NUMBER: 60/108801 PILING DATE: 1999-03-19
APPLICATION NUMBER: 60/125775
FILING DATE: 1999-03-23
APPLICATION NUMBER: 60/126773 FILING DATE: 1998-09-24 APPLICATION NUMBER: 60/101786 FILING DATE: 1998-09-25 APPLICATION NUMBER: 60/101916 FILING DATE: 1998-10-30 APPLICATION NUMBER: 60/106905 FILING DATE: 1999-04-27 APPLICATION NUMBER: 60/131445 APPLICATION NUMBER: 60/112422 FILING DATE: 1999-01-12 APPLICATION NUMBER: 60/115565 FILING DATE: 1999-03-29 APPLICATION NUMBER: 60/127887 FILING DATE: 1999-04-05 APPLICATION NUMBER: 60/130232 APPLICATION NUMBER: 60/140650 APPLICATION NUMBER: 60/125259 APPLICATION NUMBER: 60/134287 APPLICATION NUMBER: 60/140723 FILING DATE: 1999-06-22 APPLICATION NUMBER: 60/141037 APPLICATION NUMBER: 60/144758 APPLICATION NUMBER: 60/145698 APPLICATION NUMBER: 60/146222 FILING DATE: 1999-07-28 APPLICATION NUMBER: 60/146963 FILING DATE: 1999-07-26 FILING DATE: 1999-03-10 FILING DATE: 1999-06-22 1999-07-20 FILING DATE: 1999-05-14 FILING DATE: 1999-06-23 FILING DATE: 1999-04-2 PRIOR PRIOR

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R APPLICATION NUMBER: 60/079656
R FILING DATE: 1998-03-26
R FILING DATE: 1998-03-27
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R FILING DATE: 1998-03-27
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FILING DATE: 1998-09-10
APPLICATION NUMBER: 60/10038
APPLICATION NUMBER: 60/10038
                                                      APPLICATION NUMBER: 60/064103
FILING DATE: 1997-10-31
APPLICATION NUMBER: 60/06973
APPLICATION NUMBER: 60/076910
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APPLICATION NUMBER: 60/096791
FILING DATE: 1998-08-17
APPLICATION NUMBER: 60/097986
FILING DATE: 1998-08-26
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FILING DATE: 1998-04-15
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FILING DATE: 1998-04-22
APPLICATION NUMBER: 60/084441
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FILING DATE: 1998-05-15
APPLICATION NUMBER: 60/086392
FILING DATE: 1998-05-22
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FILING DATE: 1998-06-17
APPLICATION NUMBER: 60/089538
FILING DATE: 1998-06-17
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FILING DATE: 1998-06-18
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APPLICATION NUMBER: 60/090695
FILING DATE: 1998-06-25
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FILING DATE: 1998-07-07
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APPLICATION NUMBER: 60/095318
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APPLICATION NUMBER: 60/095916
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APPLICATION NUMBER: 60/096146
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FILING DATE: 1998-08-31
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FILING DATE: 1998-09-09
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FILING DATE: 1998-09-09
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FILING DATE: 1998-09-10
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APPLICATION NUMBER: 60/099812
FILING DATE: 1998-09-10
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APPLICATION NUMBER: 60/085323
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APPLICATION NUMBER: 60/090557
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APPLICATION NUMBER: 60/090691
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APPLICANT: Geritteen, Mary
APPLICANT: Godowaki, Paul i
APPLICANT: Godowaki, Paul i
APPLICANT: Grimaldi, J. Christopher
APPLICANT: Grimaldi, J. Christopher
APPLICANT: Grimaldi, J. Christopher
APPLICANT: Such, Victoria
APPLICANT: Stephan, Jean-Philippe F.
APPLICANT: Stephan, Jean-Philippe F.
APPLICANT: Wood, William I.
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
TITLE OF INVENTION: ACIDS ENCODING THE SAME
TITLE OF INVENTION: ACIDS ENCODING THE SAME
TITLE OF INVENTION NUMBER: US/10/227,883
CURRENT APPLICATION NUMBER: US/10/227,883
PRIOR APPLICATION NUMBER: 60/0659113
PRIOR PILING DATE: 2002-04-09
PRIOR PILING DATE: 1997-09-17
PRIOR PILING DATE: 1997-09-17
PRIOR PILING DATE: 1997-09-17
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            181 TPPTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPPQGRVA 240
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99.5%; Score 1677; DB 14;
Best Local Similarity 99.7%; Pred. No. 3.2e-119;
Matches 323; Conservative 0; Mismatches 1;
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PRIOR FILING DATE: 1999-08-03
PRIOR APPLICATION NUMBER: 60/149320
PRIOR PILING DATE: 1999-08-17
PRIOR PILING DATE: 1999-08-17
PRIOR PEDITOR INUMBER: 60/149638
PRIOR PEDITOR TOWNER: 60/151733
PRIOR PELING DATE: 1999-08-31
PRIOR APPLICATION NUMBER: 60/164418
PRIOR PILING DATE: 1999-11-09
PRIOR PILING DATE: 1999-11-16
PRIOR PILING DATE: 1999-11-07
PRIOR APPLICATION NUMBER: 60/16945
PRIOR PILING DATE: 1999-12-07
PRIOR PILING DATE: 1999-12-07
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Publication No. US20030073817A1
GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Desnoyers, Luc
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           -10-227-883-236
Sequence 236, A
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OR APPLICATION NUMBER: 60/100390
OR FILING DATE: 1998-09-15
OR PILING DATE: 1998-09-16
OR APPLICATION NUMBER: 60/100627
OR FILING DATE: 1998-09-16
OR APPLICATION NUMBER: 60/100919
OR APPLICATION NUMBER: 60/100919
OR FILING DATE: 1998-09-17
OR APPLICATION NUMBER: 60/101477
OR APPLICATION NUMBER: 60/101477
OR APPLICATION NUMBER: 60/101738
OR APPLICATION NUMBER: 60/101738
OR FILING DATE: 1998-09-24
OR APPLICATION NUMBER: 60/101731
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R APPLICATION NUMBER: 60/106248
R FILING DATE: 1998-10-29
R APPLICATION NUMBER: 60/106464
R FILING DATE: 1998-10-30
R APPLICATION NUMBER: 60/106905
R FILING DATE: 1998-11-03
R APPLICATION NUMBER: 60/109797
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RAPPLICATION NUMBER: 60/108849

RAPPLICATION NUMBER: 60/10849

RAPPLICATION NUMBER: 60/11242

RAPPLICATION NUMBER: 60/11296

RETLING DATE: 1998-12-15

RAPPLICATION NUMBER: 60/11396

RAPPLICATION NUMBER: 60/11365

RAPPLICATION NUMBER: 60/11361

RAPPLICATION NUMBER: 60/11361
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FILING DATE: 1999-01-12
APPLICATION NUMBER: 60/119549
FILING DATE: 1999-02-10
APPLICATION NUMBER: 60/123618
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APPLICATION NUMBER: 60/101786
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APPLICATION UNDRER: 60/101922
FILING DATE: 1998-09-24
APPLICATION NUMBER: 60/106178
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APPLICATION NUMBER: 60/101916
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APPLICATION NUMBER: 60/108801
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FILING DATE: 1999-01-12
APPLICATION NUMBER: 60/115565
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FILING DATE: 1999-03-29
APPLICATION NUMBER: 60/127887
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APPLICATION NUMBER: 60/131445
FILING DATE: 1999-04-28
APPLICATION NUMBER: 60/134287
FILING DATE: 1999-05-14
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FILING DATE: 1999-03-19
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APPLICATION UNDBER: 60/130232
FILING DATE: 1999-04-21
APPLICATION NUMBER: 60/131022
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APPLICATION NUMBER: 60/131270
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APPLICATION NUMBER: 60/131291
FILING DATE: 1999-04-27
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                            PRIOR 
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NNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWVRLG 180
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             1 LPGPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWSFVQ
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APPLICANT: Deenoyers, Luc
APPLICANT: Gerritsen, Mary
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, J. Christopher
APPLICANT: Grimaldi, J. Christopher
APPLICANT: Smith, Victoria
                                                                                  R APPLICATION NUMBER: 60/141037
R FILING DATE: 1999-06-23
R FILING DATE: 1999-06-23
R FILING DATE: 1999-07-20
R FILING DATE: 1999-07-20
R FILING DATE: 1999-07-20
R FILING DATE: 1999-07-28
R FILING DATE: 1999-08-03
R FILING DATE: 1999-08-03
R APPLICATION NUMBER: 60/146963
R FILING DATE: 1999-08-03
R FILING DATE: 1999-08-17
R APPLICATION NUMBER: 60/149320
R FILING DATE: 1999-08-17
R APPLICATION NUMBER: 60/149638
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R APPLICATION NUMBER: 60/149638
DR FILING DATE: 1999-08-17
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DR FILING DATE: 1999-08-17
R APPLICATION NUMBER: 60/15038
DR FILING DATE: 1999-08-31
R FILING DATE: 1999-08-31
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ; Sequence 236, Application US/10219076; Publication No. US20030078379A1; GENERAL INFORMATION:
FILING DATE: 1999-06-22
APPLICATION NUMBER: 60/140723
FILING DATE: 1999-06-22
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       FILING DATE: 1999-11-09
APPLICATTON NUMBER: 60/166361
ALING DATE: 1999-11-16
APPLICATION NUMBER: 60/169445
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APPLICATION NUMBER: 60/169495
FILING DATE: 1999-12-07
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Best Local Similarity 99.7
Matches 323; Conservative
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US-10-219-076-236
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APPLICANT: GCANNAL ALL'S COPERA
APPLICANT: GCANNAL ALL'S L'SCALA
APPLICANT: GCANNAL ALL'S L'SCALA
APPLICANT: GCANNAL ALL'S L'SCALA
APPLICANT: GCANNAL ALL'S L'SCALA
APPLICANT: MALLANDA-COLIS L'SCALA
APPLICANT: WALLANDA-COLIS L'SCALA
APPLICANT: WALLANDA-COLIS L'SCALA
APPLICANT: WALLANDA-COLIS L'SCALA
APPLICANT: WALLANDA-COLIS L'SCALA
TILL GO INVERTIVOL NUMBER: 10/119 480
PRIOR PILING DATE: 10/11
         APPLICANT: Wacad, William I.

APPLICANT: Wacad, William I.

TITLE OF INVENTION: SECRETED AND TRANSMEBRANE POLYPEPTIDES AND NUCLEIC

TITLE OF INVENTION: ACIDS ENCODING THE SAME

FILE REFERENCE: P3530P1C62

CURRENT APPLICATION NUMBER: US/10/219,076

CURRENT FILING DATE: 2002-08-14

PRIOR APPLICATION NUMBER: 10/119,480

PRIOR APPLICATION NUMBER: 60/059113

PRIOR APPLICATION NUMBER: 60/063913

PRIOR PLILNG DATE: 1997-10-17

PRIOR PLILNG DATE: 1997-10-17

PRIOR PLILNG DATE: 1997-10-17

PRIOR PLILNG DATE: 1997-10-31

PRIOR PLILNG DATE: 1997-10-31

PRIOR APPLICATION NUMBER: 60/063919

PRIOR PLILNG DATE: 1997-12-17

PRIOR PLILNG DATE: 1997-12-17

PRIOR PLILNG DATE: 1997-12-17

PRIOR PLILNG DATE: 1998-03-26

PRIOR PLILNG DATE: 1998-03-27

PRIOR PLILNG DATE: 1998-03-26

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PRIOR PRING DATE: 1998-03-26

PRIOR PLILNG DATE: 1998-03-27

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Pred. No. 3.2e-119;
0; Mismatches 1;
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Sequence 236, Application US/10230434
Fublication No. US20030078380A1
GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Gensnoyens, Luc
APPLICANT: Geritsen, Mary
APPLICANT: Goddard, Audrey
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Watanabe, Colin L.
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Best Local Similarity
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R APPLICATION NUMBER: 60/09596
R FILING DATE: 1998-09-09
R FILING DATE: 1998-09-09
R FILING DATE: 1998-09-09
R APPLICATION NUMBER: 60/099803
R APPLICATION NUMBER: 60/099811
R FILING DATE: 1998-09-10
R PILING DATE: 1998-09-10
R APPLICATION NUMBER: 60/099811
R FILING DATE: 1998-09-10
R APPLICATION NUMBER: 60/099812
R FILING DATE: 1998-09-10
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R APPLICATION NUMBER: 60/108787
R FILING DATE: 1998-11-17
R APPLICATION NUMBER: 60/108819
R FILING DATE: 1998-11-17
R APPLICATION NUMBER: 60/108849
R FILING DATE: 1998-11-18
R APPLICATION NUMBER: 60/112422
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FILING DATE: 1998-09-10
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FILING DATE: 1998-09-11
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FILING DATE: 1998-09-15
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APPLICATION NUMBER: 60/100848
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APPLICATION NUMBER: 60/100919
FILING DATE: 1998-09-17
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APPLICATION NUMBER: 60/101738
FILING DATE: 1998-09-24
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APPLICATION NUMBER: 60/101786
FILING DATE: 1998-09-25
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FILING DATE: 1998-09-24
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FILING DATE: 1998-10-28
APPLICATION NUMBER: 60/106248
FILING DATE: 1998-10-29
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APPLICATION NUMBER: 60/106905
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FILING DATE: 1998-12-22
APPLICATION NUMBER: 60/113605
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FILING DATE: 1999-01-12
APPLICATION NUMBER: 60/115565
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FILING DATE: 1999-03-10
APPLICATION NUMBER: 60/125259
FILING DATE: 1999-03-19
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            APPLICATION NUMBER: 60/100627
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APPLICATION NUMBER: 60/101741
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APPLICATION NUMBER: 60/113621
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APPLICATION NUMBER: 60/115733
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APPLICATION NUMBER: 60/119549
                 PLICATION NUMBER: 60/
LING DATE: 1998-08-31
FILING DATE: 1998-08-26
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ö Length 327 Indels DB 14; Score 1677; DB 14, Pred. No. 3.2e-119, 0; Mismatches 1; R FILING DATE: 1999-04-05
R APPLICATION NUMBER: 60/130232
R FILING DATE: 1999-04-21
R FILING DATE: 1999-04-26
R FILING DATE: 1999-04-26
R APPLICATION NUMBER: 60/131270 R APPLICATION NUMBER: 60/140650
R FILING DATE: 1999-06-22
R APPLICATION NUMBER: 60/140723
R FILING DATE: 1999-06-22
R R RAPLICATION NUMBER: 60/141037
R FILING DATE: 1999-06-23
R APPLICATION NUMBER: 60/144758 FILING DATE: 1999-12-07
APPLICATION WINBER: 60/169495
APPLICATION DATE: 1999-12-07
APPLICATION NUMBER: 60/169835 FILING DATE: 1999-07-20 APPLICATION NUMBER: 60/145698 FILING DATE: 1999-07-26 FILING DATE: 1999-03-23
APPLICATION NUMBER: 60/126773
FILING DATE: 1999-03-29
APPLICATION NUMBER: 60/127887 FILING DATE: 1999-04-27 APPLICATION NUMBER: 60/131291 FILING DATE: 1999-04-27 APPLICATION NUMBER: 60/131445 APPLICATION NUMBER: 60/146222 FILING DATE: 1999-07-28 APPLICATION NUMBER: 60/149638 FILING DATE: 1999-08-31 APPLICATION NUMBER: 60/164418 FILING DATE: 1999-11-16 APPLICATION NUMBER: 60/169445 APPLICATION NUMBER: 60/134287 FILING DATE: 1999-05-14 APPLICATION NUMBER: 60/146963 APPLICATION NUMBER: 60/149320 APPLICATION NUMBER: 60/151733 APPLICATION NUMBER: 60/166361 Query Match
Best Local Similarity 99.7%;
Matches 323; Conservative FILING DATE: 1999-04-28 FILING DATE: 1999-11-09 FILING DATE: 1999-08-03 FILING DATE: 1999-08-17 FILING DATE: 1999-08-17 PRIOR
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240 124 NNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWVRLG 183 63 64 PGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYLCQV NNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWVRLG LPGPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWSFVQ 4 LPGPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWSFVQ PGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYLCQV 181 TFPTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPPQGRVA Gaps 121 61

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244 GALIGVILIGVILISVAAFCLVRFQKERGKKPKETYGGSDLREDALAPGISEHTCMRADSS

301 KGFLERPSSASTVTTTKSKLPMVV 324

GALIGVLLGVLLLSVAAFCLVRFQKERGKKPKETYGGSDLREDAIAPGISEHTCMRADSS

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APPLICANT: Gurney, Austin L.
APPLICANT: Smith, Victoria
APPLICANT: Stephan, Jean-Philippe F.
APPLICANT: Watanabe, Colin L.
APPLICANT: Watanabe, Colin L.
APPLICANT: Wood, William I.
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
TITLE OF INVENTION: ACIDS ENCODING THE SAME
FILE REFERENCE: P353 OPLIC12
CURRENT APPLICATION NUMBER: US/10/219,003
RESULT 15
US-10-219-003-236
; Sequence 236, Application US/10219003
; Publication No. US20030088063A1
; GENERAL INPORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Desnoyers, Luc
, Pericant: Gerritsen, Mary
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     PRIOR APPLICATION NUMBER: 10/19,480
PRIOR PLING DATE: 2002-04-09
PRIOR PLING DATE: 1097-09-17
PRIOR PLING DATE: 1997-09-17
PRIOR PLING DATE: 1997-09-17
PRIOR PLING DATE: 1997-10-13
PRIOR PLING DATE: 1997-10-13
PRIOR PLING DATE: 1997-10-31
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PRIOR PELING DATE: 1998-10-31
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PRIOR PLING DATE: 1998-03-27
PRIOR PPLING DATE: 1998-03-27
PRIOR PPLING DATE: 1998-03-27
PRIOR PLING DATE: 1998-03-27
PRIOR PLING DATE: 1998-04-15
PRIOR PLING DATE: 1998-05-16
PRIOR PLING DATE: 1998-05-16
PRIOR PLING DATE: 1998-05-17
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Godowski, Paul J.
Grimaldi, J. Christopher
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APPLICATION NUMBER: 60/090695
FILING DATE: 1998-06-25
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FILING DATE: 1998-06-24
APPLICATION NUMBER: 60/090691
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APPLICANT:
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PRIOR APPLICATION NUMBER: 60/091802
PRIOR FILING DATE: 1998-09-04
PRIOR FILING DATE: 1998-08-04
PRIOR FILING DATE: 1998-08-04
PRIOR APPLICATION NUMBER: 60/09518
PRIOR APPLICATION NUMBER: 60/09516
PRIOR APPLICATION NUMBER: 60/09516
PRIOR APPLICATION NUMBER: 60/09596
PRIOR FILING DATE: 1998-08-10
PRIOR PILING DATE: 1998-08-17
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PRIOR PILING DATE: 1998-08-17
PRIOR PILING DATE: 1998-08-16
PRIOR APPLICATION NUMBER: 60/09986
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PRIOR APPLICATION NUMBER: 60/09981
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PRIOR PILING DATE: 1998-09-10
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PRIOR APPLICATION NUMBER: 60/100919
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PRIOR APPLICATION NUMBER: 60/101909
PRIOR APPLICATION NUMBER: 60/1019
     304 KGFLERPSSASTVTTTKSKLPMVV 327
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NNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWVRLG 180

KGFLERPSSASTVTTTKSKLPMVV 324 KGFLERPSSASTVTTTKSKLPMVV 327

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               PRIOR PLILING DATE: 1999-01-12
PRIOR PLILING DATE: 1999-01-12
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PRIOR PLILING DATE: 1999-03-19
PRIOR PLILING DATE: 1999-03-29
PRIOR PLILING DATE: 1999-03-29
PRIOR PLILING DATE: 1999-03-29
PRIOR PLILING DATE: 1999-04-26
PRIOR PRILING DATE: 1999-04-26
PRIOR APPLICATION NUMBER: 60/126773
PRIOR APPLICATION NUMBER: 60/131270
PRIOR PELING DATE: 1999-04-26
PRIOR PELING DATE: 1999-04-27
PRIOR APPLICATION NUMBER: 60/131270
PRIOR PELING DATE: 1999-04-27
PRIOR PELING DATE: 1999-04-27
PRIOR APPLICATION NUMBER: 60/13130
PRIOR PELING DATE: 1999-06-22
PRIOR APPLICATION NUMBER: 60/14050
PRIOR PELING DATE: 1999-06-22
PRIOR APPLICATION NUMBER: 60/14050
PRIOR PELING DATE: 1999-06-22
PRIOR APPLICATION NUMBER: 60/14050
PRIOR PELING DATE: 1999-07-20
PRIOR PELING DATE: 1999-08-17
PRIOR PELING DATE: 1999-08-
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PRIOR APPLICATION NUMBER: 60/169495
PRIOR PILING DATE: 1999-12-07
PRIOR APPLICATION NUMBER: 60/169835
PLICATION NUMBER: 60/115558
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PLICATION NUMBER: 60/115565
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Best Local Similarity 99.7
Matches 323; Conservative 61

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Patent No. US20020076705A1
GENERAL INFORMATION:
TITLE OF INVENTION: 31 Human Secreted Proteins
FILE REFRENCE: P2033P1
CURRENT APPLICATION NUMBER: US/09/820,893
CURRENT FILING DATE: 2001-03-30
PRIOR PILING DATE: 2000-03-20
PRIOR PILING DATE: 1998-10-02
PRIOR PILING DATE: 1998-10-02
PRIOR PILING DATE: 1998-10-02
NUMBER OF SEQ ID NOS: 140
SOFTWARE: Patentin Ver. 2.0
US-10-227-883-236
US-10-219-814-236
US-10-219-016-236
US-10-219-015-236
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  TYPE: PRT
ORGANISM: Homo sapiens
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Sequence 236, Appl
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US-10-227-884-236

US-10-230-133-236

US-10-218-631-236

US-10-218-631-236

US-10-218-631-236

US-10-218-631-236

US-10-216-159A-236

US-10-218-849-236

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                                      COVNNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWV
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 60, Application US/10607565;
Publication No. US20040048294A1
GENERAL INFORMATION:
TITLE OF INVENTION: 31 Human Secreted Proteins
FILE REFERENCE: PC033P1
CURRENT APPLICATION NUMBER: US/10/607,565
CURRENT FILING DATE: 2003-06-27
PRIOR PILING DATE: 2003-06-27
PRIOR PILING DATE: EARLIER APPLICATION NUMBER: 60/101,546
PRIOR FILING DATE: EARLIER APPLICATION NUMBER: 60/102,695
PRIOR FILING DATE: EARLIER FILING DATE: 1998-09-23
PRIOR FILING DATE: EARLIER FILING DATE: 1998-10-02
NUMBER OF SEQ ID NOS: 140
SEQ ID NO 60
SEQ ID NO 60
LENGTH: 327
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US-10-227-884-236
; Sequence 236, Application US/10227884
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US-10-607-565-60
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R FILING DATE: 1998-09-24

R APPLICATION NUMBER: 60/106178

R APPLICATION NUMBER: 60/106248

R FILING DATE: 1998-10-29

R FILING DATE: 1998-10-29

R FILING DATE: 1998-10-30

R FILING DATE: 1998-10-30
                           PLICATION NUMBER: 60/096146
LING DATE: 1998-08-11
PLICATION NUMBER: 60/096791
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FILING DATE: 1998-09-10
APPLICATION NUMBER: 60/099811
FILING DATE: 1998-09-10
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APPLICATION NUMBER: 60/100038
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APPLICATION NUMBER: 60/100385
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PPLICATION NUMBER: 60/100627
LING DATE: 1998-09-16
PPLICATION NUMBER: 60/100848
LLING DATE: 1998-09-18
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LLING DATE: 1998-09-17
PPLICATION NUMBER: 60/101477
LLING DATE: 1998-09-29
PPLICATION NUMBER: 60/101738
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APPLICATION UNDBER: 60/113621
FILING DATE: 1998-12-23
APPLICATION NUMBER: 60/115558
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APPLICATION NUMBER: 60/115565
FILING DATE: 1999-01-12
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FILING DATE: 1998-08-26
APPLICATION NUMBER: 60/098544
FILING DATE: 1998-08-31
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PLICATION NUMBER: 60/101786
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PLICATION NUMBER: 60/101916
LING DATE: 1998-09-24
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APPLICATION NUMBER: 60/112422
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APPLICATION NUMBER: 60/113296
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APPLICATION NUMBER: 60/113605
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APPLICATION NUMBER: 60/108801
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FILING DATE: 1999-01-12
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R APPLICATION NUMBER: 60/125259

R APPLICATION NUMBER: 60/125259

R APLICATION NUMBER: 60/12575

R FILING DATE: 1999-03-23

R APPLICATION NUMBER: 60/126773

R FILING DATE: 1999-03-29

R APPLICATION NUMBER: 60/127867

R APPLICATION NUMBER: 60/127867

R APPLICATION NUMBER: 60/127867

R APPLICATION NUMBER: 60/130322

R APPLICATION NUMBER: 60/130322 FILING DATE: 1999-04-26 APPLICATION NUMBER: 60/131270 FILING DATE: 1999-04-27 APPLICATION NUMBER: 60/131445 FILING DATE: 1999-04-28 APPLICATION NUMBER: 60/134287 FILING DATE: 1999-05-14
APPLICATION NUMBER: 60/140650
FILING DATE: 1999-06-22
FILING DATE: 1999-06-22 APPLICATION NUMBER: 60/141037 PILING DATE: 1999-06-23 APPLICATION NUMBER: 60/144758 FILING DATE: 1999-07-20 APPLICATION NUMBER: 60/145698 FILING DATE: 1999-07-26 APPLICATION NUMBER: 60/146222 FILING DATE: 1999-07-28
APPLICATION NUMBER: 60/146963
FILING DATE: 1999-08-03
APPLICATION NUMBER: 60/149320 FILING DATE: 1999-08-17 APPLICATION NUMBER: 60/149638 FILING DATE: 1999-08-17 APPLICATION NUMBER: 60/151733 APPLICATION NUMBER: 60/164418 FILING DATE: 1999-11-09 FILING DATE: 1999-12-07 APPLICATION NUMBER: 60/169835 APPLICATION NUMBER: 60/169495 APPLICATION NUMBER: 60/131022 APPLICATION NUMBER: 60/166361 FILING DATE: 1999-11-16 APPLICATION NUMBER: 60/131291 Query Match
Best Local Similarity 99.7%;
Matches 326; Conservative FILING DATE: 1999-04-27 1999-08-3] 61 19 121 121 181 PRIOR ; ð 셤 셤 ઠ g δ 원 ò

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APPLICATION NUMBER: 60/090695
FILLING DATE: 1998-06-25
APPLICATION NUMBER: 60/091942
PILLING DATE: 1998-07-07
APPLICATION NUMBER: 60/095302
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FILING DATE: 1998-09-24
APPLICATION NUMBER: 60/106178
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FILING DATE: 1998-11-18
APPLICATION NUMBER: 60/112422
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APPLICATION NUMBER: 60/100038
FILING DATE: 1998-09-11
APPLICATION NUMBER: 60/100385
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APPLICATION NUMBER: 60/100390
FILING DATE: 1998-09-15
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APPLICATION NUMBER: 60/106248
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                                                                                                                                                                                                                                                                                                                                    APPLICATION NUMBER: 60/095916
FILING DATE: 1998-08-10
APPLICATION NUMBER: 60/096146
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APPLICATION NUMBER: 60/100919
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APPLICATION NUMBER: 60/101477
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APPLICATION NUMBER: 60/101738
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FILING DATE: 1998-09-24
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APPLICATION NUMBER: 60/108787
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FILING DATE: 1998-11-17
                 FILING DATE: 1998-06-24
APPLICATION NUMBER: 60/090691
FILING DATE: 1998-06-25
                                                                                                                                                                                                                                                                            APPLICATION NUMBER: 60/095318
FILING DATE: 1998-08-04
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APPLICATION NUMBER: 60/096791
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APPLICATION NUMBER: 60/098544
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APPLICATION NUMBER: 60/099596
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FILING DATE: 1998-09-10
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APPLICATION NUMBER: 60/099812
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FILING DATE: 1998-09-16
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APPLICATION NUMBER: 60/106464
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                                                                                                                                                                                                                                                    FILING DATE: 1998-08-04
PRIOR 
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1 (No. 102.)

1 (No. 102.)

1 (1) Desnoyers, Inc.

1 (2) Godard, Aultey,

1 (2) Godard, Paris, Anna (1) Hilliam I.

2 (2) TINTANION, SECRETED AND TRANSNERBANE POLYPEPTIDES AND NUCLEIC

2 (2) INVENTION: SECRETED AND TRANSNERBANE POLYPEPTIDES AND NUCLEIC

2 (2) INVENTION: SECRETED AND TRANSNERBANE POLYPEPTIDES AND NUCLEIC

2 (2) INVENTION: SECRETED AND TRANSNERBANE POLYPEPTIDES AND NUCLEIC

3 (2) INVENTION: SECRETED AND TRANSNERBANE POLYPEPTIDES AND NUCLEIC

4 (2) INVENTION: SECRETED AND TRANSNERBANE POLYPEPTIDES AND NUCLEIC

5 (2) INVENTION: SECRETED AND TRANSNERBANE POLYPEPTIDES AND NUCLEIC

6 (3) INVENTION: SECRETED AND TRANSNERBANE POLYPEPTIDES AND NUCLEIC

6 (3) INVENTION: SECRETED AND TRANSNERBANE POLYPEPTIDES AND NUCLEIC

7 (2) INVENTION: SECRETED AND TRANSNERBANE POLYPEPTIDES AND NUCLEIC

8 (4) INVENTION: SECRETED AND TRANSNERBANE POLYPEPTIDES AND NUCLEIC

1 (2) INVENTION: SECRETED AND TRANSNERBANE POLYPEPTIDES AND NUCLEIC

1 (3) INVENTION: SECRETED AND TRANSNERBANE POLYPEPTIDES AND NUCLEIC

1 (4) RELIGIOUS BATE: 1939-10-36

1 (5) INVENTION: 1939-10-36

1 (6) INVENTION: 1939-10-36

                                                             241 RVAGALIGVLLGVLLLSVAAFCLVRFQKERGKKPKETYGGSDLREDAIAPGISEHTCMRA 300
                                241 RVAGALIGVLLGVLLLSVAAFCLVRFQKERGKKPKETYGGSDLREDAIAPGISEHTCMRA 300
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APPLICANT: Smith, Victoria
APPLICANT: Smith, Victoria
APPLICANT: Smith, Victoria
APPLICANT: Stephan, Jean-Philippe F.
APPLICANT: Watanabe, Colin L.
APPLICANT: Watanabe, Colin L.
APPLICANT: Watanabe, Colin L.
APPLICANTON: WILLIAM I.
TITLE OF INVENTION: ACIDS ENCODING THE SAME
FILE REFERENCE: P3330P1092
CURRENT APPLICATION NUMBER: U6/10/20,338
CURRENT FILING DATE: 2002-08-28
FRICH FILING DATE: 1997-09-17
FRICH FILING DATE: 1997-09-17
FRICH FILING DATE: 1997-10-17
FRICH FILING DATE: 1998-03-26
FRICH FILING DATE: 1998-03-27
FRICH FILING DATE: 1998-03-26
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FRICH FILING DATE: 1998-03-27
FRICH FILING DATE: 1
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                                                                                                                                                                                                                                                                                                                                                                                                              61 FVQPGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYL 120
                                                                                                               61 FVQPGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPFTVGVATLKLTDVHPSDTGTYL 120
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1 MAELPGPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWS
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Publication No. US20030044934A1
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICANT: Baker, Kevin P.
APPLICANT: Desnoyers, Luc
APPLICANT: Gerritsen, Mary
APPLICANT: Godowski, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, J. Christopher
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Gurney, Austin L. Smith, Victoria
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ORGANISM: Homo Sapien
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                   PRIOR APPLICATION NUMBER: 60/11326
PRIOR PLING DATE: 1998-12-22
PRIOR PLING DATE: 1998-12-23
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PRIOR PLING DATE: 1998-12-23
PRIOR PLING DATE: 1998-10-12
PRIOR PLING DATE: 1999-01-12
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PRIOR PELING DATE: 1999-04-22
PRIOR PELING DATE: 1999-04-27
PRIOR APPLICATION NUMBER: 60/14059
PRIOR PELING DATE: 1999-06-22
PRIOR APPLICATION NUMBER: 60/14059
PRIOR PELING DATE: 1999-06-22
PRIOR APPLICATION NUMBER: 60/14059
PRIOR PELING DATE: 1999-06-22
PRIOR APPLICATION NUMBER: 60/14059
PRIOR PELING DATE: 1999-07-20
PRIOR APPLICATION NUMBER: 60/14050
PRIOR PELING DATE: 1999-00-23
PRIOR PELING DATE: 1999-00-20-33
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PRIOR APPLICATION NUMBER: 60/169495
PRIOR FILING DATE: 1999-12-07
PRIOR APPLICATION NUMBER: 60/169835
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PRIOR APPLICATION NUMBER: 60/169445
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PRIOR APPLICATION NUMBER: 60/166361
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Indels

99.5%; Score 1691; DB 14; Length 327;

US-10-230-338-236

Query Match

240

us-10-607-565-60.rapb

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APPLICANT: Geritaen, Mary
APPLICANT: Goddard, Audrey
APPLICANT: Goddard, Paul J.
APPLICANT: Grimaldi, J. Christopher
APPLICANT: Grimaldi, J. Christopher
APPLICANT: Grimaldi, J. Christopher
APPLICANT: Smith, Victoria
APPLICANT: Smith, Victoria
APPLICANT: Stephan, Jean-Philippe F.
APPLICANT: Watenabe, Colin L.
APPLICANT: Watenabe, Colin
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                                                                                                                                             99.5%; Score 1691; DB 14; Length 327; 99.7%; Pred. No. 3.4e-120; ive 0, Mismatches 1; Indels 0
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APPLICANT: Desnoyers, Luc
APPLICANT: Gerritsen, Mary
                                                                                                                                             Query Match
Best Local Similarity 99.7
Matches 326; Conservative
TYPE: PRT
ORGANISM: Homo Sapien
                                       ; ORGANAL...
US-10-218-631-236
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APPLICANT: Grimaldi, J. Christopher
APPLICANT: Grimaldi, J. Christopher
APPLICANT: Grimaldi, J. Christopher
APPLICANT: Smith, Victoria
APPLICANT: Smith, Victoria
APPLICANT: Smith, Victoria
APPLICANT: Watanabe, Colin L.
APPLICANT: Watanabe, Colin L.
TITLE OF INVENTION: ACIDS ERCRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
TITLE OF INVENTION: ACIDS ENCODING THE SAME
FILE OF INVENTION: ACIDS ENCODING THE SAME
TITLE OF INVENTION: ACIDS ENCODING THE SAME
TITLE OF INVENTION NUMBER: 10/19,480
PRIOR PELLING DATE: 2002-04-02
PRIOR PELLING DATE: 1997-10-17
PRIOR FILING DATE: 1997-10-17
PRIOR FILING DATE: 1997-10-17
PRIOR FILING DATE: 1997-10-28
PRIOR FILING DATE: 1997-10-28
PRIOR PELLING DATE: 1997-10-28
PRIOR PELLING DATE: 1997-10-28
PRIOR PELLING DATE: 1997-10-28
PRIOR PELLING DATE: 1998-03-26
PRIOR PELLING DATE: 1998-03-26
PRIOR PELLING DATE: 1998-03-25
PRIOR PELLING DATE: 1998-03-26
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PRIOR PERLING DATE: 1998-03-27
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Pred. No. 3.4e-120;
0; Mismatches 1;
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Publication No. US20030045687A1
GENERAL INFORMATION:
99.78;
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APPLICANT: Desnoyers, Luc
APPLICANT: Gerritsen, Mary
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                                       326; Conservative
Best Local Similarity
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US-10-218-631-236
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                           PRIOR FILING DATE: 1998-03-25
PRIOR APPLICATION NUMBER: 60/079656
PRIOR FILING DATE: 1998-03-26
PRIOR PILING DATE: 1998-03-27
PRIOR FILING DATE: 1998-03-27
Remaining Prior Application data removed
NUMBER OF SEQ ID NOS: 246
SEQ ID NO 236
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Godowski, Paul J.
Grimaldi, J. Christopher
Gurney, Austin L.
Smith, Victoria
Stephan, Jean-Philippe F.
Watanabe, Colin L.
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PRIOR FILING DATE: 2002-04-09
PRIOR FILING DATE: 1997-09-17
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/062287
PRIOR FILING DATE: 1997-10-17
PRIOR PELICATION NUMBER: 60/063549
PRIOR FILING DATE: 1997-10-28
PRIOR APPLICATION NUMBER: 60/06319
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; Publication No. US20030069397A1
; GENERAL INFORMATION:
         APPLICATION NUMBER: 60/079294
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Best Local Similarity 99.73
Matches 326; Conservative
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APPLICANT: Desnoyers, Luc
APPLICANT: Gerritsen, Mary
                                                                                                                                                                                                                                          TYPE: PRT
ORGANISM: Homo Sapien
US-10-232-224-236
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APPLICANT: Godwafi, Paul J.
APPLICANT: Grimaldi, J. Christopher
APPLICANT: Gurney, Austin L.
APPLICANT: Smith, Victoria
APPLICANT: Smith, Victoria
APPLICANT: Smith, Victoria
APPLICANT: Smith, Victoria
APPLICANT: Watanabe, Colin L.
APPLICANT: WATANAMER: US/10/33,224
CURRENT APPLICATION NUMBER: US/10/19,480
RIOR APPLICATION NUMBER: 60/06297
RIOR APPLICATION NUMBER: 60/06287
RIOR APPLICATION NUMBER: 60/06287
RIOR FILING DATE: 1997-10-17
PRIOR FILING DATE: 1997-10-17
PRIOR APPLICATION NUMBER: 60/064103
PRIOR FILING DATE: 1997-10-31
PRIOR APPLICATION NUMBER: 60/069873
PRIOR FILING DATE: 1997-12-31
PRIOR APPLICATION NUMBER: 60/069873
PRIOR FILING DATE: 1997-12-17
PRIOR APPLICATION NUMBER: 60/069873
PRIOR FILING DATE: 1997-12-17
PRIOR APPLICATION NUMBER: 60/069873
PRIOR FILING DATE: 1998-03-20
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PRIOR FILING DATE: 1998-03-27
Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 246
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99.7%; Pred. No. 3.4e-120;
tive 0; Mismatches 1;
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Publication No. US20030065147A1
GENERAL INFORMATION:
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APPLICANT: Desnoyers, Luc
APPLICANT: Gerritsen, Mary
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Best Local Similarity 99.7
Matches 326; Conservative
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                                                                                                                TYPE: PRT
CORGANISM: Homo Sapien
US-10-230-414-236
                                                                   SEQ ID NO 236
LENGTH: 327
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Query Match
Best Local Similarity 99.7'
Matches 326; Conservative
             ; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-218-849-236
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US-10-227-873-236
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APPLICANT: Desnoyers, Luc.
APPLICANT: Gerritsen, Mary
APPLICANT: Goddard, Audrey
APPLICANT: Goddard, Audrey
APPLICANT: Godwski, Paul J.
APPLICANT: Grimaldi, J. Christopher
APPLICANT: Grimaldi, J. Christopher
APPLICANT: Smith, Victoria
APPLICANT: Smith, Victoria
APPLICANT: Stephan, Jean-Philippe F.
APPLICANT: Stephan, Jean-Philippe F.
APPLICANT: Watanabe, Colin L.
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PRIOR FILING DATE: 1997-10-31
PRIOR PLIUNG DATE: 1997-10-31
PRIOR FILING DATE: 1997-12-17
PRIOR FILING DATE: 1997-12-17
PRIOR PLING DATE: 1998-03-20
PRIOR PLING DATE: 1998-03-25
PRIOR PLING DATE: 1998-03-25
PRIOR PLING DATE: 1998-03-25
PRIOR PLING DATE: 1998-03-26
PRIOR PLING DATE: 1998-03-26
PRIOR FILING DATE: 1998-03-27
PRIOR PRIOR PLING DATE: 1998-03-27
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US-10-218-849-236
US-10-218-849-236
Sequence 236, Application US/10218849
Publication No. US20030073814A1
GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Geritsen, Mary
APPLICANT: Goddard, Audrey
APPLICANT: Goddard, Audrey
APPLICANT: Godwski, Paul J.
APPLICANT: Grimaldi, J. Christopher
APPLICANT: Grimaldi, J. Christopher
APPLICANT: Smith, Victoria
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ORGANISM: Homo Sapien US-10-216-159A-236
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APPLICANT: Stephan, Jean-Philippe F.
APPLICANT: Stephan, Jean-Philippe F.
APPLICANT: Watanabe, Colin L.
APPLICANT: Watanabe, Colin L.
APPLICANT: Watanabe, Colin L.
APPLICANT: Watanabe, Colin L.
TITLE OF INVENTION: SECRETE A.
TITLE OF INVENTION: ACIDS ENCODING THE SAME
FILE REPREMENTS: 2302-08-26
CURRENT APPLICATION NUMBER: US/10/227,873
CURRENT FILING DATE: 2002-08-26
PRIOR APPLICATION NUMBER: US/19,480
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/06313
PRIOR FILING DATE: 1997-0-17
PRIOR APPLICATION NUMBER: 60/06384
PRIOR FILING DATE: 1997-10-17
PRIOR APPLICATION NUMBER: 60/064103
PRIOR FILING DATE: 1997-10-28
PRIOR FILING DATE: 1997-12-17
PRIOR APPLICATION NUMBER: 60/069873
PRIOR FILING DATE: 1997-12-17
PRIOR FILING DATE: 1998-03-26
PRIOR FILING DATE: 1998-03-25
PRIOR FILING DATE: 1998-03-26
PRIOR APPLICATION NUMBER: 60/079556
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                      Score 1691; DB 14; Length 327;
Pred. No. 3.4e-120;
99.7%; Pred. No. 3.-
99.7%; Pred. No. 3.-
0; Mismatches
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APPLICANT: Desnoyers, Luc
APPLICANT: Gerritsen, Mary
APPLICANT: Goddard, Audrey
APPLICANT: Godwski, Paul J.
APPLICANT: Grimaldi, J. Christopher
APPLICANT: Gurney, Austin L.
APPLICANT: Smith, Victoria
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R APPLICATION NUMBER: 60/081819
R RILING DATE: 1998-04-15
R FILING DATE: 1998-04-15
R FILING DATE: 1998-04-15
R FILING DATE: 1998-04-22
R APPLICATION NUMBER: 60/082804
R FILING DATE: 1998-04-22
R APPLICATION NUMBER: 60/08441
R APPLICATION NUMBER: 60/085323
R FILING DATE: 1998-05-06 APPLICATION NUMBER: 60/095302
FILING DATE: 1998-08-04
APPLICATION NUMBER: 60/095318
FILING DATE: 1998-08-04
APPLICATION NUMBER: 60/095916
FILING DATE: 1998-08-10
APPLICATION NUMBER: 60/096146
FILING DATE: 1998-08-11
APPLICATION NUMBER: 60/096146
APPLICATION NUMBER: 60/096791 FILING DATE: 1998-08-17
APPLICATION NUMBER: 60/097986
FILING DATE: 1998-08-26
APPLICATION NUMBER: 60/09854
FILING DATE: 1998-08-31
APPLICATION NUMBER: 60/099596
FILING DATE: 1998-09-09 APPLICATION NUMBER: 60/099598 FILING DATE: 1998-09-09 APPLICATION NUMBER: 60/099803 FILING DATE: 1998-09-10 APPLICATION NUMBER: 60/099811 PPLICATION NUMBER: 60/085579
LING DATE: 1998-05-13 FULLCATION DATE: 1998-06-25
PALICATION NUMBER: 60/090695
TIME 1998-06-25 PPLICATION NUMBER: 60/086392 [LING DATE: 1998-05-22 PPLICATION NUMBER: 60/089905 ILING DATE: 1998-06-18 PPLICATION NUMBER: 60/091982 ILING DATE: 1998-07-07 FILING DATE: 1998-09-10 APPLICATION NUMBER: 60/099812 FILING DATE: 1998-09-10 APPLICATION NUMBER: 60/099816 APPLICATION NUMBER: 60/101477 FILING DATE: 1998-09-23 APPLICATION NUMBER: 60/101738 FILING DATE: 1998-09-24 CATION NUMBER: 60/089532 CATION NUMBER: 60/089538 CATION NUMBER: 60/090472 PELICATION NUMBER: 60/100038 LING DATE: 1998-09-11 LING DATE: 1998-09-11
PLICATION NUMBER: 60/100385 CATION NUMBER: 60/090557 PPLICATION NUMBER: 60/090691 PLICATION NUMBER: 60/100390 PPLICATION NUMBER: 60/100627 APPLICATION NUMBER: 60/100848 998-06-24 LING DATE: 1998-09-15 998-09-15 1998-09-16 FILING DATE: 1998-03-27 998-09-18 998-06-24 998-09-17 LING DATE: LING DATE: LING DATE: PRILIOR PRILIOR PRILICAR PRILI

R APPLICATION NUMBER: 60/101916
R FILING DATE: 1998-09-24
R PILING DATE: 1998-09-24
R PILING DATE: 1998-09-24
R APPLICATION NUMBER: 60/106178
R APPLICATION NUMBER: 60/106178
R APPLICATION NUMBER: 60/10648
R FILING DATE: 1998-10-29
R PILING DATE: 1998-10-30
R APPLICATION NUMBER: 60/106905 LING DATE: 1998-09-24
PLICATION NUMBER: 60/101786
LING DATE: 1998-09-25 TILING DATE: 1998-11-03 APPLICATION NUMBER: 60/108787 FILING DATE: 1998-11-17 FILING DATE: 1998-11-17
APPLICATION WINBER: 60/108849
APPLICATION UNBER: 60/112422
APPLICATION NUMBER: 60/112422 FILING DATE: 1998-12-15 APPLICATION NUMBER: 60/113296 FILING DATE: 1998-12-22 APPLICATION NUMBER: 60/113605 CATION NUMBER: 60/119549 FILING DATE: 1999-02-10
APPLICATION UNMBER: 60/123618
FILING DATE: 1999-03-10
APPLICATION NUMBER: 60/125259 APPLICATION NUMBER: 60/126773 FILING DATE: 1999-03-29 APPLICATION NUMBER: 60/127887 APPLICATION NUMBER: 60/140723 FILING DATE: 1999-06-22 APPLICATION NUMBER: 60/141037 APPLICATION NUMBER: 60/146222 FILING DATE: 1999-07-28 APPLICATION NUMBER: 60/146963 FILING DATE: 1998-12-23 APPLICATION NUMBER: 60/113621 FILING DATE: 1998-12-23 CATION NUMBER: 60/115558 APPLICATION NUMBER: 60/115565 FILING DATE: 1999-03-19 APPLICATION NUMBER: 60/125775 APPLICATION NUMBER: 60/108801 LING DATE: 1999-01-12 PLICATION NUMBER: 60/115733 APPLICATION NUMBER: 60/130232 APPLICATION NUMBER: 60/131022 APPLICATION NUMBER: 60/131270 APPLICATION NUMBER: 60/131291 APPLICATION NUMBER: 60/134287 LING DATE: 1999-04-05 LING DATE: 1999-04-26 1999-04-27 1999-04-27 FILING DATE: 1999-04-28 FILING DATE: 1999-06-22 ILING DATE: 1999-06-23 LING DATE: 1999-07-26 ILING DATE: 1999-03-23 LING DATE: 1999-04-21 1999-05-14 LING DATE: 1999-01-FILING DATE: 1999-01-FILING DATE: PRIOR PRIOR

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R FILING DATE: 1998-06-17
R APPLICATION NUMBER: 60/089538
R FILING DATE: 1998-06-17
R APPLICATION NUMBER: 60/089905
R FILING DATE: 1998-06-18
R APPLICATION NUMBER: 60/090472
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R APPLICATION NUMBER: 60/090695

R FILING DATE: 1998-06-25

R APPLICATION NUMBER: 60/091982

R FILING DATE: 1998-07-07

R FILING DATE: 1998-07-07

R FILING DATE: 1998-07-07

R FILING DATE: 1998-08-08-08

R APPLICATION NUMBER: 60/095318
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R APPLICATION NUMBER: 60/096791
R APPLICATION NUMBER: 60/097986
R FILING DATE: 1998-08-26
R FILING DATE: 1998-08-31
R PILING DATE: 1998-08-31
R FILING DATE: 1998-08-31
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R APPLICATION NUMBER: 60/085579
R FILING DATE: 1998-05-15
R PILING DATE: 1998-05-22
R FILING DATE: 1998-05-22
R APPLICATION NUMBER: 60/089532
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FILING DATE: 1998-09-11
APPLICATION NUMBER: 60/100385
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FILING DATE: 1998-03-26
APPLICATION NUMBER: 60/0728
PILING DATE: 1998-03-27
APPLICATION NUMBER: 60/081819
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APPLICATION NUMBER: 60/095916
FILING DATE: 1998-08-10
APPLICATION NUMBER: 60/096146
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FILING DATE: 1998-09-10
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FILING DATE: 1997-12-17
APPLICATION NUMBER: 60/078910
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APPLICATION NUMBER: 60/081955
FILING DATE: 1998-04-15
APPLICATION NUMBER: 60/082804
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APPLICATION NUMBER: 60/099598
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FILING DATE: 1998-09-10
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                                                                           APPLICATION NUMBER: 60/064103
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APPLICATION NUMBER: 60/090557
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APPLICATION NUMBER: 60/079294
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APPLICATION NUMBER: 60/084441
FILING DATE: 1998-05-06
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APPLICATION NUMBER: 60/090691
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             PRICE 
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APPLICANT: Gerriteen, Mary
APPLICANT: Gerriteen, Mary
APPLICANT: Goddard, Audres
APPLICANT: Goddard, Audres
APPLICANT: Grimaldi, J. Christopher
APPLICANT: Grimaldi, J. Christopher
APPLICANT: Smith, Victorial
APPLICANT: Smith, Victorial
APPLICANT: Watanabe, Colin L.
APPLICANT: Wat
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99.7%; Pred. No. 3.4e-120;
live 0; Mismatches 1;
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PRIOR FILING DATE: 1999-08-03
PRIOR APPLICATION NUMBER: 60/149320
PRIOR FILING DATE: 1999-08-17
PRIOR PILING DATE: 1999-08-17
PRIOR PILING DATE: 1999-08-17
PRIOR PILING DATE: 1999-08-17
PRIOR PLING DATE: 1999-08-31
PRIOR APPLICATION NUMBER: 60/16418
PRIOR APPLICATION NUMBER: 60/16418
PRIOR FILING DATE: 1999-11-16
PRIOR FILING DATE: 1999-11-16
PRIOR PILING DATE: 1999-12-07
PRIOR PRIOR FILING DATE: 1999-12-07
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PRIOR FILING DATE: 2002-04-09
PRIOR APPLICATION NUMBER: 60/059113
PRIOR APPLICATION NUMBER: 60/062287
PRIOR APPLICATION NUMBER: 60/062287
PRIOR FILING DATE: 1997-10-17
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APPLICANT: Baker, Kevin P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Matches 326; Conservative
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Best Local Similarity
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PRIOR APPLICATION NUMBER: 60/100390
PRIOR PLING DATE: 1938-09-16
PRIOR PLING DATE: 1938-09-16
PRIOR PLING DATE: 1938-09-16
PRIOR PLING DATE: 1938-09-18
PRIOR PLING DATE: 1938-09-18
PRIOR PLICATION NUMBER: 60/10049
PRIOR PLING DATE: 1938-09-18
PRIOR PLING DATE: 1938-09-18
PRIOR PLING DATE: 1938-09-18
PRIOR PLING DATE: 1938-09-17
PRIOR PLING DATE: 1938-09-24
PRIOR PLING DATE: 1938-10-3
PRIOR APPLICATION NUMBER: 60/11362
PRIOR PLING DATE: 1939-01-12
PRIOR PRIOR PLING DATE: 1939-01-12
PRIOR PRIOR PLING DATE: 1939-01-1
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APPLICATION NUMBER: 60/131445
FILING DATE: 1999-04-28
APPLICATION NUMBER: 60/134287
FILING DATE: 1999-05-14
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181 RLGTFPTPSPGSWQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQG 240
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APPLICANT: Benoyers, Luc
APPLICANT: Gerritsen, Mary
APPLICANT: Goddard, Audrey,
APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, J. Christopher
APPLICANT: Grimaldi, J. Christopher
APPLICANT: Smith, Victoria
APPLICANT: Smith, Victoria
APPLICANT: Stephan, Jean-Philippe F.
                                                                                                                                               EXELUTION DATE: 1999-06-23

RELING DATE: 1999-06-23

RAPPLICATION NUMBER: 60/144758

RELING DATE: 1999-07-20

RELING DATE: 1999-07-26

RELING DATE: 1999-07-26

RELING DATE: 1999-07-28

RELING DATE: 1999-07-28

RELING DATE: 1999-07-28

RELING DATE: 1999-08-03

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RELING DATE: 1999-08-17

RELING DATE: 1999-08-17
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R APPLICATION NUMBER: 60/164418
R FILING DATE: 1999-11-09
R PILING DATE: 1999-11-16
R FILING DATE: 1999-11-16
R APPLICATION NUMBER: 60/16945
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Publication No. US20030078379A1
GENERAL INFORMATION:
                               FILING DATE: 1999-06-22
APPLICATION UNDBER: 60/140723
FILING DATE: 1999-06-22
APPLICATION NUMBER: 60/141037
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FILING DATE: 1999-12-07
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Best Local Similarity
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US-10-219-076-236
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| WELLOW: Geometry | Wellow: | Wello
                                                                                                                                                               APPLICANT: Watanabe, Colin L.
APPLICANT: Wood, William I.
ITILE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
ITILE OF INVENTION: ACIDS ENCODING THE SAME
FILE REFERENCE: P3530P1G62
CURRENT APPLICATION NUMBER: US/10/219,076
CURRENT PILING DATE: 2002-04-09
PRIOR FILING DATE: 2002-04-09
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/06287
PRIOR FILING DATE: 1997-09-17
PRIOR PILING DATE: 1997-09-17
PRIOR PILING DATE: 1997-10-17
PRIOR PILING DATE: 1997-10-17
PRIOR PILING DATE: 1997-10-28
PRIOR PILING DATE: 1997-10-31
PRIOR PILING DATE: 1997-12-17
PRIOR PILING DATE: 1997-12-17
PRIOR PILING DATE: 1998-03-20
PRIOR PILING DATE: 1998-03-26
PRIOR PILING DATE: 1998-03-25
PRIOR PILING DATE: 1998-03-26
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Pred. No. 3.4e-120;
0; Mismatches 1;
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Publication No. US20330078380A1
GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Desnoyers, Luc
APPLICANT: Gerriteen, Mary
APPLICANT: Gerriteen, Mary
APPLICANT: Goddard, Audrey
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Best Local Similarity 99.7
Matches 326; Conservative
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ORGANISM: Homo Sapien
US-10-219-076-236
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NR APPLICATION NUMBER: 60/098544

RETLING DATE: 1998-08-31

RAPPLICATION NUMBER: 60/099596

RAPLICATION NUMBER: 60/099596

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RAPLICATION NUMBER: 60/099639

RAPLICATION NUMBER: 60/099813

RETLING DATE: 1998-09-10

RAPPLICATION NUMBER: 60/099811

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RAPLICATION NUMBER: 60/099812
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R FILING DATE: 1998-09-15
R PILING DATE: 1998-09-15
R PILING DATE: 1998-09-15
R APPLICATION NUMBER: 60/100627
R FILING DATE: 1998-09-16
R FILING DATE: 1998-09-16
R FILING DATE: 1998-09-18
R FILING DATE: 1998-09-18
R APPLICATION NUMBER: 60/100948
R APPLICATION NUMBER: 60/100949
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DR APPLICATION NUMBER: 60/101477

DR PILING DATE: 1998-09-23

DR PILING DATE: 1998-09-24

DR FILING DATE: 1998-09-24

DR APPLICATION NUMBER: 60/101741

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DR APPLICATION NUMBER: 60/101916

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DR FILING DATE: 1998-09-24
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APPLICATION NUMBER: 60/100038
FILING DATE: 1998-09-11
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APPLICATION NUMBER: 60/106248
FILING DATE: 1998-10-29
APPLICATION NUMBER: 60/106464
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APPLICATION NUMBER: 60/108801
ALING DATE: 1998-11-17
APPLICATION NUMBER: 60/108849
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FILING DATE: 1999-01-12
APPLICATION NUMBER: 60/115565
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FILING DATE: 1998-09-10
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APPLICATION NUMBER: 60/106905
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APPLICATION NUMBER: 60/108787
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APPLICATION NUMBER: 60/123618
FILING DATE: 1999-03-10
APPLICATION NUMBER: 60/125259
FILING DATE: 1999-03-19
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APPLICATION NUMBER: 60/112422
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FILING DATE: 1998-12-22
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FILING DATE: 1998-12-23
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APPLICATION NUMBER: 60/119549
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FILING DATE: 1998-12-23
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R APPLICATION NUMBER: 60/126773

R APPLICATION NUMBER: 60/127887

R FILING DATE: 1999-04-05

R APPLICATION NUMBER: 60/130232

R FILING DATE: 1999-04-21

R FILING DATE: 1999-04-21

R APPLICATION NUMBER: 60/131022 R FILING DATE: 1999-04-27
R APPLICATION NUMBER: 60/131445
R FILING DATE: 1999-04-28
R APPLICATION NUMBER: 60/134287
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R APPLICATION NUMBER: 60/146222

R FILING DATE: 1999-07-28

R APPLICATION NUMBER: 60/146963

R APPLICATION NUMBER: 60/146963

R FILING DATE: 1999-08-03

R PILING DATE: 1999-08-17

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R APPLICATION NUMBER: 60/149638

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APPLICATION NUMBER: 60/131270
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APPLICATION NUMBER: 60/131291 FILING DATE: 1999-06-23 APPLICATION NUMBER: 60/144758 FILING DATE: 1999-07-20 FILING DATE: 1999-08-31 APPLICATION NUMBER: 60/164418 FILING DATE: 1999-11-09 APPLICATION NUMBER: 60/169495 FILING DATE: 1999-12-07 FILING DATE: 1999-12-07 APPLICATION NUMBER: 60/169835 APPLICATION NUMBER: 60/141037 APPLICATION NUMBER: 60/166361 FILING DATE: 1999-11-16 FILING DATE: 61 61 121 241 241 121 181 PRIOR 셤 d ò ઠે g ð 셤 ઠ ò 셤

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R PILING DATE: 1998-00-07

R APPLICATION NUMBER: 60/095302

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R APPLICATION NUMBER: 60/095318

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R APPLICATION NUMBER: 60/095916

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R APPLICATION NUMBER: 60/096146

R PILING DATE: 1998-08-11

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FILING DATE: 1998-09-25
APPLICATION NUMBER: 60/101916
PILING DATE: 1998-09-24
APPLICATION NUMBER: 60/101922
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FILING DATE: 1998-12-23
APPLICATION NUMBER: 60/113621
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APPLICATION NUMBER: 60/101741
FILING DATE: 1998-09-24
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APPLICATION NUMBER: 60/106178
FILING DATE: 1998-10-28
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FILING DATE: 1998-11-03
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APPLICATION NUMBER: 60/098544
FILING DATE: 1998-08-31
APPLICATION NUMBER: 60/099596
FILING DATE: 1998-09-09
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APPLICATION NUMBER: 60/099812
FILING DATE: 1998-09-10
APPLICATION NUMBER: 60/099816
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APPLICATION NUMBER: 60/100390
FILING DATE: 1998-09-15
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FILING DATE: 1998-11-17
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FILING DATE: 1998-09-09
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FILING DATE: 1998-09-10
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APPLICATION NUMBER: 60/100038
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APPLICATION NUMBER: 60/100385
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FILING DATE: 1998-09-16
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APPLICATION NUMBER: 60/100919
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APPLICATION NUMBER: 60/101477
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APPLICATION NUMBER: 60/106464
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FILING DATE: 1998-11-17
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   PRICE 
                                                                                                                                                                                                                                                                                                                                                                         APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, J. Christopher
APPLICANT: Grimaldi, J. Christopher
APPLICANT: Grimey, Austin L.
APPLICANT: Smith, Victoria
APPLICANT: Stephan, Jean-Philippe F.
APPLICANT: Wood, William I.
APPLICANT: Wood, William I.
APPLICANT: GOIN L.
APPLICANT: Wood, William I.
APPLICANT: GOINTENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
TITLE OF INVENTION: ACIDS ENCODING THE SAME
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PRIOR FILING DATE: 2002-04-09
PRIOR FILING DATE: 2002-04-09
PRIOR FILING DATE: 1997-09-17
PRIOR PELING DATE: 1997-09-17
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PRIOR PILING DATE: 1997-10-28
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PRIOR PELING DATE: 1997-10-28
PRIOR PELING DATE: 1997-10-31
PRIOR PELING DATE: 1997-10-31
PRIOR PELING DATE: 1997-12-17
PRIOR APPLICATION NUMBER: 60/06913
PRIOR PILING DATE: 1998-03-26
PRIOR PELING DATE: 1998-03-27
PRIOR PELING DATE: 1998-03-27
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PRIOR PELING DATE: 1998-04-15
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PRIOR PELING DATE: 1998-05-13
PRIOR PELING DATE: 1998-06-17
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R FILING DATE: 1998-06-24
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R APPLICATION NUMBER: 60/090691
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R APPLICATION NUMBER: 60/090695
R APPLICATION NUMBER: 60/090695
                                                                                                                                                                  Sequence 236, Application US/10219003
Publication No. US20030088063A1
GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Desnoyers, Luc
                                                                                                                                                                                                                                                                                              Desnoyers, Luc
Gerritsen, Mary
                                                                                                                                                                                                                                                                                                                                                       Goddard, Audrey
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US-10-219-003-236
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APPLICANT:
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1. 1998-12-23 1. NUMBER: 60/ 1. NUMBER: 60/ 1. 1999-01-12 1. 1999-01-12 1. 1999-01-12 1. 1999-01-12 1. 1999-02-10 1. 1999-02-10 1. 1999-03-29 1. 1999-03-29 1. 1999-03-29 1. 1999-03-29 1. 1999-04-21 1. 1999-04-21	NUMBER 1999-1099-1099-1099-1099-1099-1099-1099	1999-08-03 NUMBER: 60/ NUMBER: 60/ 1999-08-17 NUMBER: 60/ 1999-08-31 NUMBER: 60/ 1999-11-09 NUMBER: 60/ NUMBER: 60/ 1999-11-16 1999-11-16 NUMBER: 60/ 1999-11-06 1999-12-07
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Best Local Similarity 99.7%; Pred. No. 3.4e-120;
Matches 326; Conservative 0; Mismatches 1; Indels 0

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1 LPGPFLCGALLGFLCLSGLA......ERPSSASTVTTTKSKLPMVV 324
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GenCore version 5.1.6
Copyright (c) 1993 - 2005 Compugen Ltd.
                                                                                                                                                                                                                                                                                                                                                                                                        Total number of hits satisfying chosen parameters:
                                                                                                                                                                                                                                                                                                                                                                    2105692 segs, 386760381 residues
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 SUMMARIES
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Maximum Match 100%
Listing first 45 summaries
                                                                                OM protein - protein search, using sw model
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Gapop 10.0 , Gapext 0.5
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geneseqp2001s:*
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ADC49986 ADC49185 ADC47563 ADC47368 ADC47368 ADC78183 ADD50300 ADD50301 ADD50301 ADD50301 ADD50301 ADD50301 ADD50301 ADD50301 ADD50301 ADD50301 ADD50301 ADD50301 ADD50301 ADD50301 ADD50301 ADD50301 ADD50301 ADD50301 ADD50301 ADD50301 ADD50301 ADD50301 ADD50301 ADD50301 ADD50301 ADD50301 ADD50301 ADD50301 ADD50301 ADD50301 ADD50301 ADD50301 ADD50301 ADD50301 ADD50301 ADD50301 ADD50301 ADD50301 ADD50301 ADD50301 ADD50301 ADD50301 ADD50301 ADD50301 ADD50301 ADD50301 ADD50301 ADD50301 ADD50301 ADD50301 ADD50301 ADD50301 ADD50301 ADD50301 ADD50301 ADD50301 ADD50301 ADD50301 ADD50301 ADD50301 ADD50301 ADD50301 ADD50301 ADD50301 ADD50301 ADD50301 ADD50301 ADD50301 ADD50301 ADD50301 ADD50301 ADD50301 ADD50301 ADD50301 ADD50301 ADD50301 ADD50301 ADD50301 ADD50301 ADD50301 ADD50301 ADD50301 ADD50301 ADD50301 ADD50301 ADD50301 ADD50301 ADD50301 ADD50301 ADD50301 ADD50301 ADD50301 ADD50301 ADD50301 ADD50301 ADD50301 ADD50301 ADD50301 ADD50301 ADD50301 ADD50301 ADD50301 ADD50301 ADD50301 ADD50301 ADD50301 ADD50301 ADD50301 ADD50301 ADD50301 ADD50301 ADD50301 ADD50301 ADD50301 ADD50301 ADD50301 ADD50301 ADD50301 ADD50301 ADD50301 ADD50301 ADD50301 ADD50301 ADD50301 ADD50301 ADD50301 ADD50301 ADD50301 ADD50301 ADD50301 ADD50301 ADD50301 ADD50301 ADD50301 ADD50301 ADD50301 ADD50301 ADD50301 ADD50301 ADD50301 ADD50301 ADD50301 ADD50301 ADD50301 ADD50301 ADD50301 ADD50301 ADD50301 ADD50301 ADD50301 ADD50301 ADD50301 ADD50301 ADD50301 ADD50301 ADD50301 ADD50301 ADD50301 ADD50301 ADD50301 ADD50301 ADD50301 ADD50301 ADD50301 ADD50301 ADD50301 ADD50301 ADD50301 ADD50301 ADD50301 ADD50301 ADD50301 ADD50301 ADD50301 ADD50301 ADD50301 ADD50301 ADD50301 ADD50301 ADD50301 ADD50301 ADD50301 ADD50301 ADD50301 ADD50301 ADD50301 ADD50301 ADD50301 ADD50301 ADD50301 ADD50301 ADD50301 ADD50301 ADD50301 ADD50301 ADD50301 ADD50301 ADD50301 ADD50301 ADD50301 ADD50301 ADD50301 ADD50301 ADD50301 ADD50301 ADD50301 ADD50301 ADD50301 ADD50301 ADD50301 ADD50301 ADD50301 ADD50301 ADD50301 ADD50301 ADD50301 ADD50301 ADD50301 ADD50301 ADD50301 ADD50301 ADD	ALIGNMENT		sequence encoded	d protein; cytostatic; anti iive; antibacterial; diagnos trive disorder; infectious c ad additive; preservative; w c disease; chromsome 11.		2 .	o. o.	D, Shi Soppet		coding rders oteins	Engli	octide sequences given in AAA3 de proteins given in AAB08891 have activities based on the Examples of the activities a sty immunosuppressive; antibactions and their related polynuc and therapeutic methods use
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227 227 227 227 227 227 227 227 227 227	; protein;		tein	rotein; ; antib e disor dditive sease;		9WO-US02201	0101	, a	24.	oteins ands for defined to the	9-360;	cleotide sequences geted proteins given an have activities the lime. Examples of the ive; immunosuppressivoteins and their restic and therapeutic
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1677 1677 1677 1677 1677 1677 1677 1677	1 3 B08903	AAB08903;	man se	Human; secreted primumosuppressive; hyperproliferative screening; food ad hyper-vascular dis. Homo sapiens.	0001	-MAR-200 -SEP-199		(HUMA-) HU Ruben SM, Komatsouli	PI; 2000-2839 I-PSDB; AAA390	Human secreted proteins therapeutic methods for disorders, related to th	aim 11;	The polynucleotide sequer human secreted proteins of proteins can have activite expressed in. Examples of proliferative; immunosup secreted proteins and the for diagnostic and therap
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disorders related to the secreted proteins. The proteins, and polynucleotide sequences may be useful for treating disorders of the immune system, hyperproliferative disorders, infectious disease, regeneration of tissues, for chemotaxis and for screening molecules that bind to the proteins. The proteins or polynucleotide sequences may be used as food additives or preservatives, to increase or decrease storage capabilities, fat content, lipid, protein, carbohydrate, vitamins, minerals, co-factors or other nutritional components. Agonists or antagonists of the proteins may be used to prevent scar tissue growth during wound healing, and hyper-vascular diseases. AAA39043 to AAA39051 and AAB08890 are sequences used in the exemplification of the present
                                                                                                                                                                                                                                                                                                                                                                                                                                                             PGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYLCQV 120
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             NPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYMWVRLG 183
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                                                                                                                                                                                                                                                                                                  Length 327;
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Pred. No. 5.7e-113;
0; Mismatches 1;
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                                                                                                                                                                                                                                                                                                                        Best Local Similarity
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human signal peptide-containing proteins HSPP-1 to HSPP-134. HSPPs have anticancer, anti-inflammatory, antimicrobial, nootropic, hepatotropic, cardiovascular and antiasthmatic activities, and can be atticancer, anti-inflammatory, antimicrobial, nootropic, hepatotropic, neuroprotective, cardiovascular and antiasthmatic activities, and can be used in gene therapy. HSPPs can be used to treat or prevent disorders associated with decreased activity or function of HSPP. Antagonists of HSPP are used to treat or prevent disoases include cell proliferation creproductive or twortion of HSPP. Such diseases include cell proliferation (including cancer), inflammation, cardiovascular, neurological, creproductive or developmental disorders, (e.g. arteriosclerosis, cirrhosis, psoriasis, acquired immune deficiency syndrome, anaemia, creproductive or developmental disorders, (e.g. arteriosclerosis, cirrhosis, psoriasis, acquired immune deficiency syndrome, anaemia, crimpas, psoriasis, acquired immune deficiency syndrome, anaemia, circhosis, psoriasis, acquired immune deficiency syndrome, anaemia, circhosis, psoriasis, acquired immune deficiency syndrome, anaemia, crimpasper in standard hybridisation and amplification assays (for detecting HSPP in standard hybridisation and amplification assays (for detecting related sequences or genetic variations, and for chromosomal mapping. HSPP are also used to raise (potential therapeutic agents). As are used to diagnose, or monitor, HSPP competitive drug screens, and for purification of HSPP from natural
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                                                                                                                                                                                                                                                              New human signal peptide-containing proteins useful in treatment, prevention and diagnosis of e.g. cancer, inflammation and cardiovascular
                                                                                                                   Baughn MR;
k, Hillman JL;
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H, Patterson C, Reddy R,
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Yue
98US-0094983P
                       98US-0102686P.
                                       98US-0112129P
                                                                                                                     T, Gorgone Au-Young J,
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                                                                                                                     Lal P, Tang YT,
Akerblom IE, Au-
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                                       11-DEC-1998;
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KGFLERPSSASTVTTTKSKLPMVV 327

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98US-0090762P

26-JUN-1998;

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This sequence represents a human protein of the invention, which has hydrophobic domains. The DNA sequences can be used as a probe or as a genetic marker. The protein can also be used as a marker, and to identify potential genetic disorders. The DNA and protein can also be used as nutritional sources or supplements. The protein exhibits cytokine, cell proliferation, cell differentiation activities and induces production of cother cytokines in certain cell populations. The protein also exhibits immune stimulating or immune suppressing activity. It can be used in the treatment of various immune deficiencies and disorders, and to treat infectious diseases caused by viral, bacterial, fungal or other circatment of various immune deficiencies and disorders, and to treat infections. The protein is also used for treatment of allergic reactions and conditions such as asthma, and in immune suppression after organ conditions such as asthma, and in immune suppression after organ conditions such as asthma, and in immune suppression of haematopoiesis and consequently in the treatment of myloid cell cell cell cell cell cell is also used in compositions for tissue growth or regeneration. The protein is also used in the treatment of osteoporosis consequently increases. The protein is used in the treatment of osteoporosis consequent processes. The protein is used in the treatment of second in the treatment of system disorders such as Alzheimer's disease, Parkinson's disease, and other system disorders such as Alzheimer's disease, Parkinson's disease, and charaction and
                                                                                                                                                                     Human protein; hydrophobic domain; nutritional source; haematopoiesis; cytokine production; cell proliferation; cell differentiation; mimune deficiency; infectious disease; autoimmune disorder; asthma; multiple sclerosis; systemic lupus erythematosus; rheumatoid arthritis; allergic reaction; osteoporosis; osteoarthritis; periodontal disease; nervous system disorder; Alzheimer's disease; Parkinson's disease; Huntington's disease; liver fibrosis; pung fibrosis; reperfusion injury; systemic cytokine damage; tissue differentiation; contraceptive; stroke; coagulation disorder; myocardial infarction; inflammatory condition; septic shock; sepsis; ischaemia; reperfusion injury; arthritis; tumour;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Novel human proteins having hydrophobic domains useful for treating osteoporosis, Alzheimer's disease, Parkinson's disease, asthma, multiple sclerosis, rheumatoid arthritis, cancer, anemia, and stroke.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Claim 1; Page 183-184; 351pp; English.
AAY94857 standard; protein; 327 AA.
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98JP-00224105.
98JP-00238116.
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                                                                                                                                     Human protein clone HP10568.
                                                                                      (first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                        nephritis; therapy.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 WO200005367-A2.
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                                          AAY94857;
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treatment of lung or liver fibrosis, reperfusion injury in various tissues, and conditions resulting from systemic cytokine damage. They are also used for promoting or inhibiting tissue differentiation. They are also used as contraceptives since they exhibit activin or inhibin related activities and as a fertility inducing therapeutic. They are used for treating various coagulation disorders and in treatment and prevention of conditions resulting from coagulation activities e.g. myocardial infarction or stroke. They also acts as receptors, receptor ligands or inhibitors or agonists of receptor/ligand interactions. They are used to treat inflammatory conditions such as septic shock, sepsis, ischemia reperfusion injury, arthritis, and nephritis. They can be used to prevent
                                                                                                                                                                                                                                                                                                                                                                                                      PGKPISESHPILYPTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYLCQV 120
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Secreted protein; human; PRO protein; neoplastic cell growth; tumour; proliferation; leukaemia; lymphoid malignancy; inflammatory disorder; angiogenic disorder; immunologic disorder; PRO7154.
                                                                                                                                                                                                                                                               99.5%; Score 1677; DB 3; Length 327; 99.7%; Pred. No. 6.8e-113; ive 0; Mismatches 1; Indels (
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    KGFLERPSSASTVTTTKSKLPMVV 324
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99US-0144790P.
99US-0146843P.
99US-0148188P.
99US-0149320P.
99US-0149337P.
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                                                                                                                                                                                                                                                                                                323; Conservative
                                                                                                                                                                                                                                                                                 Local Similarity
                                                                                                                                                                                                                           Sequence 327 AA;
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17-AUG-1999;
17-AUG-1999;
17-AUG-1999;
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                                                                                                                                                                                                                                                                                                              useful for diagnosing and treating tumours are associated with gene useful for diagnosing and treating tumours are associated with gene useful for diagnosing and treating tumours are associated with gene amplification, neoplastic cell growth and proliferation in mammals, and those conditions characterised by overexpression and/or activation of the amplified genes. Such conditions include benign or malignant tumours (e.g. renal, prostate, pancreatic, breast, gastric, ovarian, colorectal, prostate, pancreatic, lung, vulval, thyroid, hepstic carcinomas, sarcomas, glioblastomas, nuovarious head and neck tumours); leukaemias and lymphoid malignancies; neuronal, glial, astrocytal, hypothalamic, and other glandular, macrophageal, epithelial, stromal and blastocoelic disorders, and inflammatory, angiogenic and immunologic disorders. These may further be used to qualitatively or quantitatively detect the expression of proteins encoded by the amplified genes, and in tumour diagnostics or prognostics. The PRO polypeptide or its antagonist or condition, which is responsive to the PRO polypeptide, its antagonist or
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                                                                                                                                                                                    Antibodies against PRO polypeptides, useful for diagnosing and treating tumors are associated with gene amplification, neoplastic cell growth and proliferation in mammals.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      sequence is a human PRO protein of the invention. The PRO proteins
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                                                                                                         Watanabe CK,
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Pred, No. 6.8e-113;
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                                                                                                       Smith V,
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                                                                                                         Gurney AL,
                                                                                                                                                                                                                                                                  Claim 61; Fig 12; 143pp; English.
99US-0150114P.
99US-0151700P.
99US-0151734P.
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                                                                                                     Goddard A,
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                                                                    (GETH ) GENENTECH INC.
                                                                                                                                        WPI; 2001-071075/08.
N-PSDB; AAA91019.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence 327 AA;
20-AUG-1999;
31-AUG-1999;
31-AUG-1999;
                                                                                                       Botstein DA,
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ABB90354 standard; protein; 327

ABB90354;

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The invention relates to novel genes (ABL89449-ABL90853) and proteins (ABB89040-ABB90444) useful for preventing, treating or ameliorating medical conditions e.g. by protein or gene therapy. The genes are isolated from a range of human tissues disclosed in the specification. I more isolated from a range of human tissues disclosed in the specification. The nucleic acids, proteins, antibodies and (ant) agonists are useful in the disponsis, treatment and prevention of: (a) cancer, e.g. breast and ovarian cancer and other cancers of the adrenal gland, bone, bone marrow, breast, gastrointestinal tract, liver, lung, or urogenital; (b) immune cancers e.g. Addison's disabetes mellitus, Crohn's disease, anamitiple sclerosis, rheumatoid arthritis and ulcerative colitis; (c) cardiovascular disorders such as myocardial ischaemias; (d) wound healing (e) elemental diseases e.g. cerebral anoxia and epilepsy; and (f) infectious diseases such as viral, bacterial, fungal and parasitic infections. Note: The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format directly from WIPO at ftp.wipo.int/pub/published_pot_sequences
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Cytostatic; immunosuppressive; nootropic; neuroprotective; antiviral; antiallergic; heparotropic; antidiabetic; antiinflammatory; antiulcer; vulnerary; anticonvulsant; antidacterial; antifungal; antiparasitic; cardiant; gene therapy; cancer; immune disorder; cardiovascular disorder; neurological disease; infection; human; secreted protein.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Novel 1405 isolated polypeptides, useful for diagnosis, treatment and prevention of neural, immune system, muscular, reproductive, gastrointestinal, pulmonary, cardiovascular, renal and proliferative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           .;
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Pred. No. 6.8e-113;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (HUMA-) HUMAN GENOME
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Rosen CA;
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                                                                                                                                                                                                                           Homo sapiens
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Sequence 327 AA;
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ID ABU
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             244 GALIGVLIGVLILSVAAFCLVRPQKERGKKPKETYGGSDLREDAIAPGISEHTCWRADSS 303
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        One hundred and twenty two nucleic acids encoding PRO polypeptides, useful for treating a PRO related disorder and for diagnosing tumors such as lung cancer, colon cancer, breast tumor, prostate tumor, rectal tumor or liver tumor.
     GALIGVLIGVLLLSVAAFCLVRFQKERGKKPKETYGGSDLREDAIAPGISEHTCMRADSS 300
                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Gerritsen ME, Goddard A, Godowski PJ;
Smith V, Stephan JF, Watanabe CK, Wood WI;
                                                                                                                                                  Human; secreted protein; PRO; tumour; lung cancer; colon cancer;
breast cancer; prostate tumour; rectal tumour; liver tumour;
pericyte cell proliferation; chondrocyte cell proliferation;
tumour necrosis factor-alpha.
                                 KGFLERPSSASTVTTTKSKLPMVV 324
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Claim 11; Fig 236; 359pp; English
                                                                                                                                    Human PRO protein, Seg ID No 236.
                                                                                      AAU83709 standard; protein; 327
                                                                                                                                                                                                                                                             2000US-0220585P.
2000US-0220605P.
2000US-0220607P.
2000US-0220624P.
2000US-0220638P.
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                                                                                                                                                                                                                                                                                                                                                   2000WO-US023522
                                                                                                                    (first entry)
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Grimaldi JC, Gurney AL,
                                                                                                                                                                                                                                                                                                                                                                                                                                                           (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  WPI; 2002-172001/22.
N-PSDB; ABK33653.
                                                                                                                                                                                                        WO200208288-A2.
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22-AUG-2000;
23-AUG-2000;
24-AUG-2000;
10-NOV-2000;
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10-MAY-2001;
25-MAY-2001;
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20-DEC-2000;
20-DEC-2000;
28-FEB-2001;
                                                                                                                                                                                         Homo sapiens
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22-MAR-2001;
                                                                                                                    08-MAY-2002
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The invention relates to one hundred and twenty two nucleic acids encodings PRO polypeptides. The sequences of the 122 PRO polypuncleotides encode human secreted proteins. The PRO nucleic acids, polypeptides, agonists and antagonists are useful for treating a PRO related disorder. The PRO polypeptides are useful for treating a PRO related disorder. It is not cancer, breast tumour, prostate tumour, rectal tumour or liver tumour. The PRO polypeptides are useful for stimulating the proliferation of, or gene expression, in periory cells, for stimulating the proliferation of differentiation of chodrocyte cells, for stimulating the proliferation of more also for stimulating or inhibiting the proliferation of normal human dermal fibroblast cells. The PRO polypeptide may also be used as molecular weight markers and for tissue typing. The PRO nucleic acids have supplications in molecular bloody, including use as hybridisation probes, and in chromosome and gene mapping. AAUGB3592-AAUGB3713 represent human PRO protein sequences of the invention
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     63
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Pred. No. 6.8e-113;
0; Mismatches 1;
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01-JUN-2001; 2001WO-US017800.
29-JUN-2001; 2001WO-US021066.
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Best Local Similarity 99.7°
Matches 323, Conservative
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Baker KP, De
Grimaldi JC,
                                                 Homo sapiens
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                                                                                                                                                                                     The present invention relates to the isolation of novel human PRO polypeptides, and the polynuclectide sequences encoding them. The PRO polypeptides are secreted and transmembrane proteins. The PRO polypeptides are secreted and transmembrane proteins. The PRO polypeptides and polynuclectides are useful for preparing a medicament useful in the diagnosis and treatment of tumours. Anti-PRO antibodies are useful in diagnostic assays for PRO, by detecting its expression in specific cells, tissues or serum, and for affinity purification of PRO from recombinant cell culture or natural sources. ABU80739-ABU80860 represent the human PRO polypeptides of the invention. Note: The sequence data for this patent was obtained in electronic format directly from the USPTO web site at seqdata.uspto.gov/psipsDIDEntry.html
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                    64 PGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYLCQV 123
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   GALIGVLLGVLLLSVAAFCLVRFQKERGKKPKETYGGSDLREDAIAPGISEHTCMRADSS 300
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                                                                                                                                                                                                                                                                                                                                                                                                                               63
                                    Godowski PJ;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Human; secreted and transmembrane protein; PRO; cytostatic; antiatrhitic; osteopathic; gene therapy; TNF-Agonist-Alpha; chondrocyte stimulator; pericyte stimulator; fibroblast modulator; pharmaceutical; diagnostic; biosensor; bioreactor; tumour; lung tumour;
                                                                                                                                                                                                                                                                                                                                                                                                                     PGKPISESHPILYFTNGHLYPTGSKSKRVSLLONPPTVGVATLKLTDVHPSDTGTYLCOV
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               244 GALIGVLLGVLLSVAAFCLVRFQKERGKKPKETYGGSDLREDAIAPGISEHTCMRADSS
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                                                                                                                   One hundred and twenty two nucleic acids encoding PRO polypeptides, useful for the manufacture of a medicament for diagnosing or treating
                                                                                                                                                                                                                                                                                                                                                                                    Gaps
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0
                                       Goddard A, Goddard TF. Watanabe CK,
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                                           Gerritsen ME, Goddard /
Smith V, Stephan JF,
                                                                                                                                                                                                                                                                                                                                                          Score 1677; DB 6;
Pred. No. 6.8e-113;
0; Mismatches 1;
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                                                                                                                                                                  Claim 11; Fig 236; 314pp; English.
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 09-APR-2002; 2002US-00119480
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Best Local Similarity 99.7
Matches 323; Conservative
                                              Desnoyers L,
                       (GETH ) GENENTECH INC
                                                                                 WPI; 2003-342045/32.
                                                                                            N-PSDB; ACA66958
                                                                                                                                                                                                                                                                                                                                    Sequence 327 AA;
                                             Baker KP, Der
Grimaldi JC,
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The invention describes an isolated nucleic acid molecule comprising a sequence with at least 80% identity to: (a) a nucleotide encoding any of 122 PRO (secreted and transmembrane) polypeptides whose sequences are fully defined in the specification; or (b) any of 122 mucleotide control or (b) any of 122 mucleotide equences having e.g. 4814, 2504 or 1759 bp fully defined in the specification; or the full langth coding sequence of any these 122 nucleotide sequences. The PRO polypeptides or polynucleotides are useful as pharmaceuticals, diagnostics, blosensors or bioreactors. These are particularly useful for detecting tumours (e.g. lung tumour, colon tumour, breast tumour, prostate tumour, rectal tumour, or liver tumour) in a mammal, for stimulating the release of TNR-alpha from human blood, or stimulating the proliferation or differentiation of chondrocyte cells, for stimulating proliferation or differentiation of chondrocyte cells, for stimulating proliferation or differentiation of chondrocyte cells, for stimulating proliferation or differentiation of chondrocyte cells, or for modulating normal human dermal fibroblast proliferation. The PRO nucleic acid or polypeptides are useful in drug screening, particularly as targets for therapeutic intervention in these diseases, and in the diagnostic cartilage disorders (e.g. sports injurations or arthritis), or wounds. The PRO polypeptides are useful as molecular weight markers, or for chromosome calso useful as molecular weight markers, or for chromosome carening libraries of human cDNA, genomic DNA or mRNA. The PRO genes may also be used in gene therapy, particularly for replacing a defective centered and curansmembrane PRO polypeptide sequence of a novel human secreted and corrected and 
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           New genes, and its encoded secreted and transmembrane polypeptides, useful for stimulating Tumor Necrosis Factor alpha, or chondrocyte or pericyte proliferation, especially for treating lung tumors, arthritis or
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        123
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phan JF, Watanabe CK, Wood WI;
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colon tumour; breast tumour; prostate tumour; rectal tumour; liver tumour; bone disorder; cartilage disorder; sports injury;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           .
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Pred. No. 6.8e-113;
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Smith V, Stephan JF,
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29-JUN-2001; 2001WO-US021066.
09-APR-2002; 2002US-00119480.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (GETH ) GENENTECH INC.
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Best Local Similarity
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                                                                                arthritis; wound
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Length 327; 1; Indels 9 63 123

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NNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWVRLG 180
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                                                                                                                                                                                                                                                                                                                TFPTPSPGSMVQDEVSGQLILITNLSLTSSGTYRCVATNQMGSASCELTLSVTEPPQGRVA 240
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                                                                                                                                                                                                                                                                                                                                                                              GALIGVLLGVLLLSVAAFCLVRFQKERGKKPKETYGGSDLREDAIAPGISEHTCMRADSS 300
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   The invention relates to a novel isolated nucleic acid encoding a fully defined PRO polypeptide. The molecules of the invention may be useful for
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 New nucleic acid encoding for a PRO protein, useful for the manufacture of a medicament for diagnosing or treating tumors or for measuring or detecting expression of an associated gene.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Gerritsen ME, Goddard A, Godowski PJ;
Smith V, Stephan JF, Watanabe CK, Wood WI;
                                                                                                               1 LPGPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWSFVQ
                                                                                                                                PGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYLCQV
                                                                                                                                                                                               PRO; proliferation; pericyte cell; TNF-alpha; blood; chondrocyte; differentiation; dermal fibroblast; tumour; gene therapy; cytostatic.
                                               Score 1677; DB 6;
Pred. No. 6.8e-113;
                                                                              0; Mismatches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  28-AUG-2002; 2002US-00230414.
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29-JUN-2001; 2001WO-US021066.
09-APR-2002; 2002US-00119480.
                                               99.5%;
                                                                                Matches 323; Conservative
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                                                                 Similarity
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                  Sequence 327 AA;
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Grimaldi JC,
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                                               Query Match
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                                                                 Local
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                                                                                                                                                                                                                                                                                                                                                                                                                            antiangiogenic; hypotensive; vulnenry; antiarteriosclerotic; gene therapy; cardiovascular disorder; endothelial disorder; andiogenic disorder; cardiac hypertrophy; trauma; cancer; age-related macular degeneration; atherosclerosis; hypertension; arterial restenosis; rheumatoid arthritis; angina; myocardial infarction; thrombophlebitis; lymphangitis; tumour angiogenesis; breast carcinoma; liver carcinoma; wound healing; chromosome mapping; gene mapping.
                                                 TFPTPSPGSMVQDEVSGQLILINISLTSSGTYRCVATNQMGSASCELTLSVTEPSOGRVA 243
                                                                                                                 NNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWVRLG 183
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            encoding novel human secreted and transmembrane (PRO) polypeptides. The PRO nucleic acids, polypeptides, agonists and antagonists are useful for treating or diagnosing a cardiovascular, endothelial or angiogenic disorder in a mammal, e.g. cardiora hypertrophy, trauma, cancer, agenelated macular degeneration, atherosclerosis, hypertension, arterial restenosis, rheumatoid arthritis, angina, myocardial infarctions, thrombophlebitis, lymphangitis, tumour angiogenesis (such as breast carcinoma and liver carcinoma) and wound healing. The PRO nucleic acids have applications in molecular biology, including use as hybridisation probes, and in chromosome and gene mapping. This is the amino acid sequence of a novel human secreted and transmembrane PRO polypeptide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Gerritsen ME, Goddard A, Godowski PJ; Smith V, Stephan JF, Watanabe CK, Wood WI;
                              TPPTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPPQGRVA
                                                                                              GALIGVLLGVLLLSVAAFCLVRPQKERGKKPKETYGGSDLREDAIAPGISEHTCMRADSS
                                                                                                                                                                                                                                                                                                                                                                                                                secreted and transmembrane protein; PRO; cardiant; cytostatic;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              One hundred and eighty seven nucleic acids encoding PRO polypeptides, useful in diagnosis and treatment of cardiovascular (e.g. myocardial infarction), endothelial or angiogenic disorders in a mammal.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  The invention describes one hundred and eighty seven nucleic acids
                                                                                                                                                                                                                                                                                                                                                                              Novel human secreted and transmembrane protein PRO7154.
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                                                                                                                                                                                                                                                                            ABU82165 standard; protein; 327 AA.
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2001WO-US021066.
2002US-00119480.
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                                                                                                                                                                                                                                                                                                                                              (first entry)
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29-JUN-2001;
09-APR-2002;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      GALIGVILGVILLSVAAFCLVRFQKERGKKPKETYGGSDLREDAIAPGISEHTCMRADSS 300
stimulating proliferation or gene expression in pericyte cells or the release of TNF-alpha from human blood. Other possible uses include the stimulation or inhibition of chondrocyte proliferation or differentiation, the stimulation of human dermal fibroblast cell proliferation and the detection of the presence of a tumour within a mammal. Furthermore, the nucleic acid may be useful for the manufacture of a medicament for diagnosing or treating a tumour within a mammal or for measuring or detecting the expression of an associated gene, as well as during gene therapy. The current sequence is that of the human PRO protein of the invention
                                                                                                                                                                                                                                                                                                4 LPGPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTABLTCTYSTSVGDSFALEWSFVQ 63
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Smith V, Stephan JF, Watanabe CK, Wood WI;
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                                                                                                                                                                                                               Length 327;
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                                                                                                                                                                                                               Score 1677; DB 6;
Pred. No. 6.8e-113;
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29-JUN-2001; 2001WO-US021066.
09-APR-2002; 2002US-00119480.
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                                                                                                                                                                                                                99.5%;
99.7%;
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Best Local Similarity 99.7
Matches 323; Conservative
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                                                                                                                                                                               Sequence 327 AA;
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Grimaldi JC,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          64 PGKPISESHPILYFTNGHLYPTGSKSKRVSLLONPPTVGVATLKLTDVHPSDTGTYLCQV 123
                                                                                                                                      The invention relates to a novel isolated PRO protein encoding nucleic acid. The nucleic acid of the invention may be useful for preparing PRO polypeptides and anti-PRO antibodies for detecting the presence of a tumour in a mammal. Furthermore, the molecules of the invention may be useful for stimulating proliferation or gene expression in pericyte cells, the release of tumour necrosis factor (TNF)-alpha from human blood, the proliferation or differentiation of chondrocyte cells and for inhibiting the proliferation of normal human dermal fibroblast cells. Finally, the molecules may be utilised during gene therapy. The current sequence is that of the human PRO protein of the invention
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                            New PRO protein encoding nucleic acid, useful for preparing PRO polypeptides and anti-PRO antibodies for detecting the presence tumor in a mammal.
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                                                                                                                                                                                                                                                                                                                                                      Length 327;
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human dermal fibroblast stimulation, tumour, tissue typing,
affinity purification.
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                                                                                                                                                                                                                                                                                                                                                 99.5%; Score 1677; DB 6;
99.7%; Pred. No. 6.8e-113;
iive 0; Mismatches 1;
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                                                                                                           Claim 11; Fig 236; 324pp; English.
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Matches 323; Conservative
                N-PSDB; ABT44626
                                                                                                                                                                                                                                                                                                                     Sequence 327 AA;
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One hundred and twenty two nucleic acids encoding PRO polypeptides, useful for the manufacture of a medicament for diagnosing or treating
                           Human membrane bound receptor/protein PRO7154 amino acid sequence.
                                                            Human, PRO; membrane bound protein; membrane bound receptor; cell proliferation; cell migration; cell differentiation; mitogenic factor; aurrival factor; cytotoxic factor; differentiation factor; neuropeptide; hormone; cell receptor; receptor-ligand interaction; cytostatic; chondrocyte; tumour.
                                                                                                                                                                                                                                                                                                                                                               24-FEB-2000; 2000WO-US005004
02-MAR-2000; 2000WO-US005841
01-JUN-2001; 2001WO-US017800
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09-APR-2002; 2002US-00119480
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Grimaldi JC,
                                                                                                                                                                                     Homo sapiens
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        The invention relates to an isolated nucleic acid encoding a PRO polypeptide. Nucleic acids that encode PRO can be used to generate either transgenic animals or knock-out animals useful in developing and creening of therapeutically useful reagents. The nucleic acids may also be used in gene therapy for replacing defective gene, in chromosome identification, as chromosome markers, or in generating probes to isolate till length PRO cDNA. The PRO polypeptides are useful for chondrocyte stimulation, TNP-alpha stimulation, human dermal fibroblasts stimulation and for detecting the presence of tumour in an mammal. The PRO polypeptides are useful as molecular markers for protein electrophoresis and the isolated nucleic acids may be used for recombinantly expressing those markers. The PRO polypeptides and nucleic acids may also be used in tissue typing. Anti-PRO antibodies are useful in diagnostic assays for PRO and in affinity purification of PRO from recombinant cell culture or natural sources. The present sequence represents the amino acid sequence of a human secreted/transmembrane PRO polypeptide
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                                                                                                                      Gerritsen ME, Goddard A, Godowski ÞJ;
Smith V, Stephan JF, Watanabe CK, Wood WI;
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                                                                                                                                                                                                                                       New transmembrane polypeptides and nucleic acids encoding the polypeptides, useful in gene therapy, in chromosome identification, chromosome markers, or in generating probes.
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99.7%; Pred. No. 6.8e-113;
iive 0; Mismatches 1;
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                                                                                                                                                                                                                                                                                                                      Claim 19; Fig 236; 315pp; English.
01-JUN-2001; 2001WO-US017800.
29-JUN-2001; 2001WO-US021066.
09-APR-2002; 2002US-00119480.
                                                                                                                    Desnoyers L,
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Best Local Similarity 99.7
Matches 323; Conservative
                                                                               (GETH ) GENENTECH INC.
                                                                                                                                                                              WPI; 2003-492274/46.
                                                                                                                                                                                                   N-PSDB; ACD82293,
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                                                                                                                                       Grimaldi JC,
                                                                                                                      Baker KP,
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Gerritsen ME, Goddard A, Godowski PJ; Smith V, Stephan JF, Watanabe CK, Wood WI;

Desnoyers L,

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This invention relates to one hundred and twenty two novel nucleic acids encoding human PRO membrane bound proteins or receptors. Extracellular proteins play important roles in the formation, differentiation and maintenance of multicellular organisms. The fate of many individual cells contained to maintenance of multicellular organisms. The fate of many individual cells governed by information received from or differentiation) is typically governed by information is often transmitted by secreted cenvironment. The information is often transmitted by secreted protected protected with the information factors, survival factors, cytotoxic polypeptides (for example mitogenic factors, survival factors, cytotoxic factors, differentiation factors, neuropeptides and hormones) which are received and interpreted by diverse cell receptors or membrane bound proteins and receptors may be of use as proteins. These membrane bound proteins and receptors may be of use as configuration interactions. The current invention provides the amino acid sequences of novel human membrane bound receptors and proteins, along with the CDNA sequences encoding them. The novel proteins of the invention may be useful for the chondrocytes. The nucleic acids of the invention may be useful for the
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  manufacture of a medicament for diagnosing or treating a tumour in a mammal. In addition, they may be useful for measuring or detecting the expression of a tumour associated gene. The present sequence is the amino acid sequence of a human PRO protein of the invention
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Best Local Similarity 99.7%; Pred. No. 6.8e-113;
Matches 323; Conservative 0; Mismatches 1;
Claim 11; Fig 236; 315pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 327 AA;
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Best Local S
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셤 ò 셤 ò ద 8 셤 ò ABJ72175 standard; protein; 327 AA.

RESULT 13 ABJ7217 16-OCT-2003 (first entry)

ABJ72175;

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PRO1025, PRO1181, PRO1126, PRO1105, PRO199, PRO1071, PRO1121, PRO1139, PRO1126, PRO1126, PRO1126, PRO1126, PRO1126, PRO1126, PRO1126, PRO1136, PRO1126, PRO1136, PRO1136, PRO1136, PRO1136, PRO1136, PRO1136, PRO1137, PRO1136, PRO1137, PRO1136, PRO1137, PRO1136, PRO1137, PRO1136, PRO1137, PRO1136, PRO1137, PRO1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Length 327;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Novel human secreted and transmembrane protein PRO7154
PRO1071,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          99.5%; Score 1677; DB 7;
99.7%; Pred. No. 6.8e-113;
live 0; Mismatches 1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       304 KGFLERPSSASTVTTTKSKLPMVV 327
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Matches 323; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 327 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                04-DEC-2003
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                                                                                                                                      244 GALIGVLIGVLILISVAAFCLVRFQKERGKKPKETYGGSDLREDAIAPGISEHTCMRADSS 303
                                                                                                            TFPTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPPQGRVA 240
                                                                                                                                                                                                   GALIGVLLGVLLLSVAAFCLVRFQKERGKKPKETYGGSDLREDAIAPGISEHTCMRADSS 300
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              human; secreted and transmembrane protein; PRO; cytostatic; vulnerary; antiatrhitic; pericyte cell proliferation; pericyte cell differentiation; chondrocyte cell proliferation; chondrocyte cell differentiation; tumour necrosis factor alpha release; (TNP)-alpha release; dermal fibroblast cell proliferation; dermal fibroblast cell differentiation inhibitor; tumour; lung tumour; colon tumour; breast tumour; prostate tumour; rectal tumour;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Gerritsen ME, Goddard A, Godowski PJ;
Smith V, Stephan JF, Watanabe CK, Wood WI;
                                               124 NNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVTNWVRLG
                       NNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWVRLG
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Novel human secreted and transmembrane protein PRO7154.
                                                                                                                                                                                                                                                                                           KGFLERPSSASTVTTTKSKLPMVV 324
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29-JUN-2001; 2001WO-US021066.
09-APR-2002; 2002US-00119480.
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Grimaldi JC, Gurney
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dermal fibroblast cell differentiation inhibitor; tumour; lung tumour;

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colon tumour, breast tumour, prostate tumour, rectal tumour, liver tumour, tissue typing, chromosome mapping, gene mapping
                                                                    29-JUN-2001; 2001WO-US021066.
09-APR-2002; 2002US-00119480.
                                                     13-AUG-2002; 2002US-00219481
                                                               01-JUN-2001; 2001WO-US017800
                                                                                             Baker KP, Desnoyers L, Grimaldi JC, Gurney AL,
                                                                                   (GETH ) GENENTECH INC.
                                                                                                            WPI; 2003-657982/62.
N-PSDB; ADB80831.
                                 US2003088068-A1.
                                                                                                                                                                                                                                                                                                                                           Sequence 327 AA;
                        Homo sapiens
              gene therapy
                                           08-MAY-2003
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The invention describes an isolated PRO (secreted and transmembrane)

CC polypeptide (I) PRO982. PRO1160, PRO1187 or PRO1329 polypeptide are useful for stimulating the proliferation of of gene expression in periovice cells. PRO9357, PRO1272 or PRO4165 polypeptide are useful for stimulating the proliferation of differentiation of chondrocyte cells. PRO357, PRO525, PRO1155, PRO1306 or PRO1419 polypeptide.

CC for stimulating the proliferation of differentiation of chondrocyte cells. PRO351, PRO537, PRO1755, PRO1306, PRO1419, PRO1414, PRO14
One hundred and twenty two nucleic acids encoding PRO polypeptides, useful in gene therapy, chromosome identification, tissue typing, or as hybridization probes in chromosome and gene mapping.
                                                                                                                                                                                                                                        Claim 11; Fig 236; 305pp; English
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99.5%; Score 1677; DB 7; Length 327; 99.7%; Pred. No. 6.8e-113; ive 0; Mismatches 1; Indels (

Query Match Best Local Similarity 99.7 Matches 323; Conservative

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                                                                                                                       NNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWVRLG 180
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                                                                                                                                                                                                                                                 GALIGVLLGVLLLSVAAFCLVRFQKERGKKPKETYGGSDLREDAIAPGISEHTCMRADSS 300
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              LPGPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWSFVO
                                                            PGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYLCQV
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Job time : 99.8153 secs
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Gerritsen ME, Goddard A, Godowski PJ; Smith V, Stephan JF, Watanabe CK, Wood WI;

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